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WEEKLY WEATHER AND CROP BULLETIN

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration, National Weather Service

U.S. DEPARTMENT OF AGRICULTURE
National Agricultural Statistics Service
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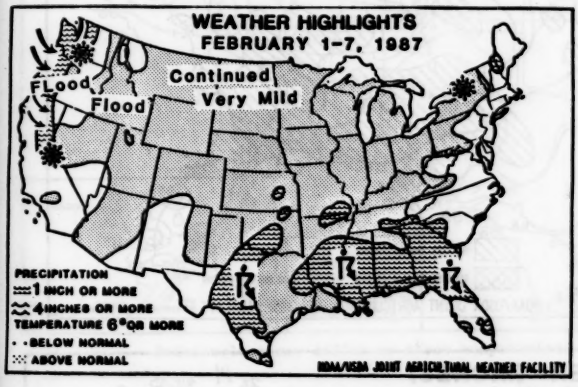
National Weather Summary

February 1 to 7, 1987



HIGHLIGHTS: A Pacific storm triggered moderate to heavy rain along the Northwest coast and heavy snow in the Cascades and to the central Sierras. Warming weather melted snow at lower elevations and exacerbated flood conditions in the coastal area and in parts of the Intermountain region. A mixture of sleet and snow fell from the Texas Panhandle to southern Iowa, but just ahead of this area, showers and thunderstorms dumped moderate to heavy rain from central and southern Texas into southeastern Kansas. The unsettled area moved eastward across the South and triggered heavy showers from the lower Mississippi Valley through the Southeast. Unseasonably mild weather prevailed over all of the Nation.

SUNDAY...Rain was accompanied by strong wind along the coast of Oregon and northern California. Snow fell at higher elevations inland and in the northern Rockies. Warmer weather melted snow and caused flooding in parts of the Intermountain region. Showers and thunderstorms reached from eastern Texas and Oklahoma to the Ohio Valley and Appalachians. Light rain fell along the Mid-Atlantic coast. Unusually warm weather spread through the Great Plains and the western Corn Belt.

MONDAY...A storm moving through California brought high wind, rain, and mountain snow to Oregon, California, and western Nevada. Thunderstorms rumbled across northern Florida while lighter showers spread through the Carolinas. Snow covered the eastern Great Lakes and western New York. It was a little cooler in the northern Plains but the warmer weather spread further into the Midwest.

TUESDAY...Light showers reached from central California across the Plateau to the Rockies. Snow was confined to the higher elevation as milder weather prevailed over much of the Nation. Light snow started the day in the Northeast but changed to rain in all but upper New England.

WEDNESDAY...Light snow covered the western portion of the Plains while showers and thunderstorms reached from western Texas to southern Iowa. Showers were also widespread along the gulf coast. Light snow continued in the Northeast with rain along the coast. Unseasonably mild temperatures prevailed in most of the Nation.

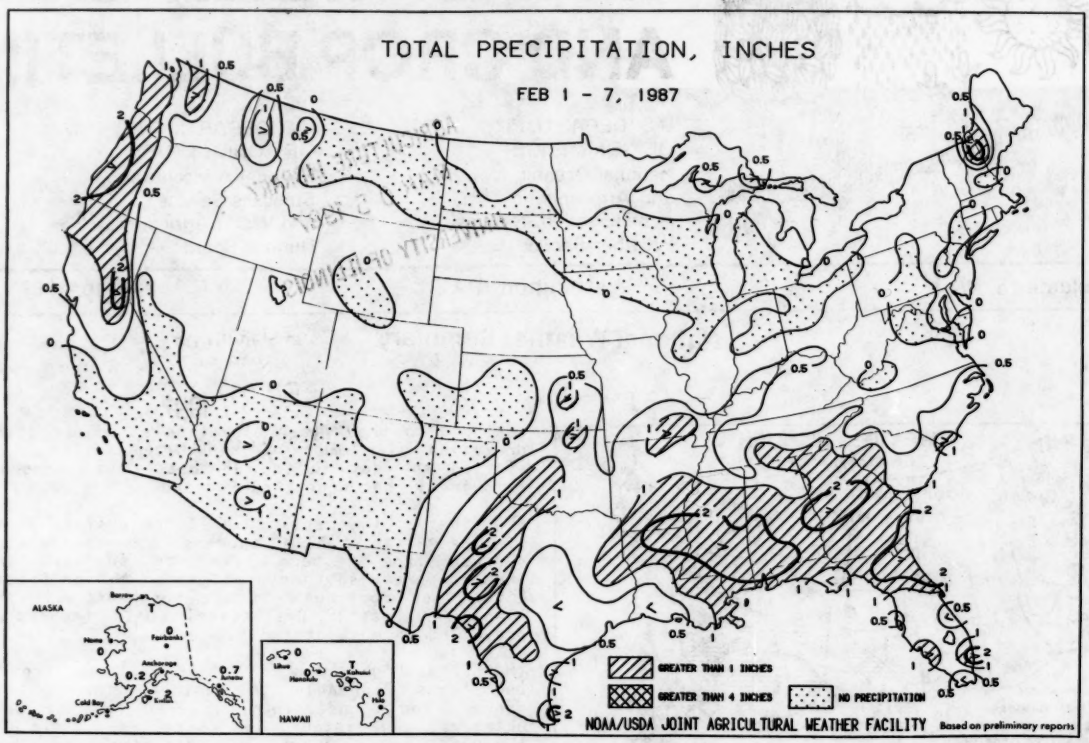
THURSDAY...Light snow or sleet was reported from the Texas Panhandle to southern Iowa. Later, showers and thunderstorms covered much of Texas, Oklahoma, and Missouri and spread across the South through Florida. Light snow flurries continued in eastern New York and upper New England. The coldest weather was in the central Great Lakes, western New York and upper New England.

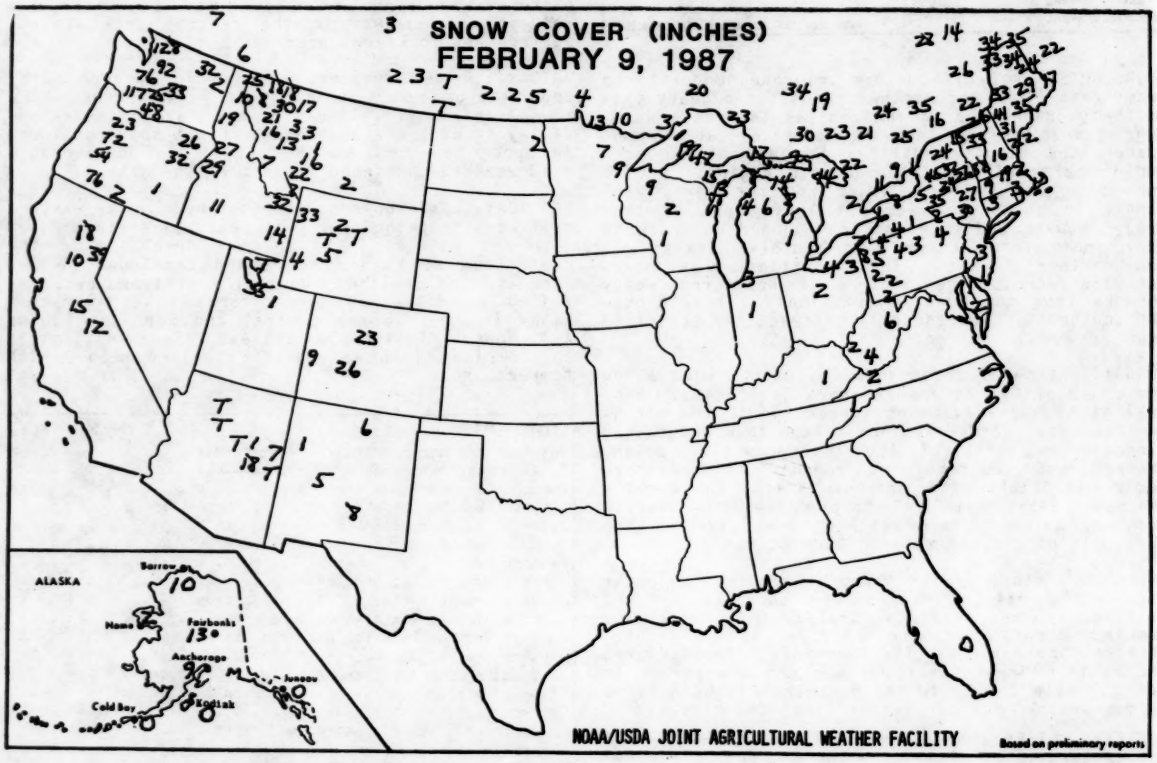
FRIDAY...A few showers remained in eastern Texas and Oklahoma but moderate to heavy showers and thunderstorms prevailed from the lower Mississippi Valley through the Southeast. Light snow continued in upper New York and New England. Unseasonably mild weather continued in most of the Nation.

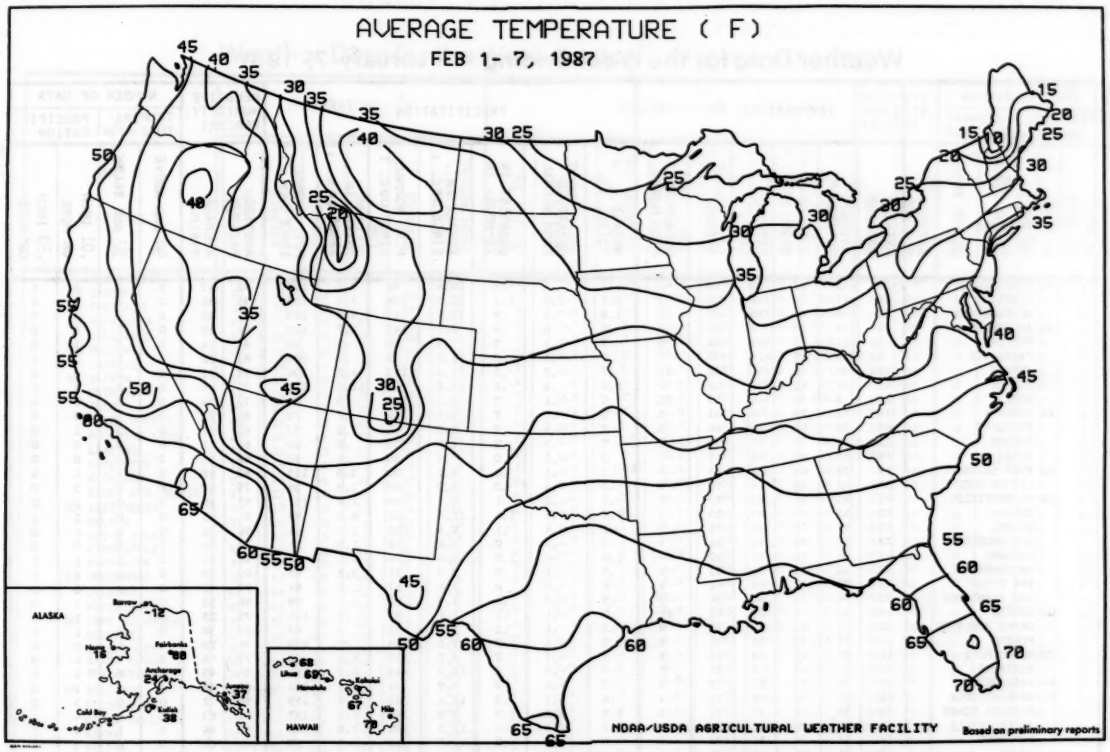
SATURDAY...Rainshowers were confined to the eastern gulf coast and the Southeast coast as a storm moved into the Atlantic. Light snow developed in the central Great Lakes region and continued in New York and New England. Unusually mild weather prevailed as afternoon temperatures rose to record highs in much of the central and northern Plains and upper Mississippi Valley. Some cities in California and in New Jersey reported record high temperatures.

Contents

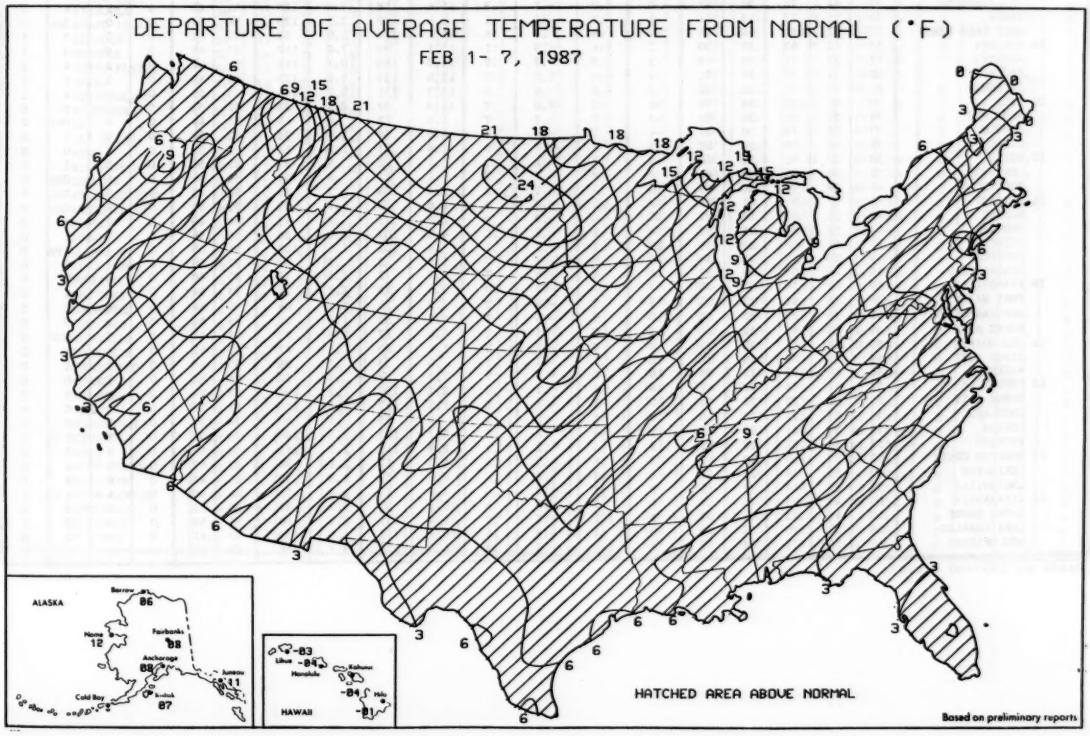
	Page
National Weather Summary	1
Total Precipitation & Snow Cover Map	2
Average Temperature & Departure	3
National Weather Data for Selected Cities	4
National Weather Data for Selected Cities (Correction for Jan. 31, 1987)	7
Heating Degree Days Summary	10
January Weather and Crop Summary	11
January Precipitation & Percent of Normal	12
January Average Temperature & Departure	13
January Weather Data for Selected Cities	14
January Heating Degree Days Table	15
National Agricultural Summary	16
State Summaries of Weather and Agriculture	17
Extreme Minimum Temperature	20
International Weather and Crop Summary	21
Subscription and Mailing Permit Information	24


TOTAL PRECIPITATION, INCHES
FEB 1 - 7, 1987
ALASKA
HAWAII
GREATER THAN 1 INCHES
GREATER THAN 4 INCHES
NO PRECIPITATION
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


SNOW COVER (INCHES)
FEBRUARY 9, 1987
ALASKA
Barrow
Nome
Fairbanks
Anchorage
Juneau
Cold Bay
Kodiak
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports



Point values may differ on these computerized maps from the reported values in the tables.



Weather Data for the Week Ending February 7, 1987

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE DEC. 1	PCT. NORMAL SINCE DEC. 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	58	41	63	34	50	5	1.2	.1	.9	10.4	92	7.0	109	92	47	0	0	2	1
MOBILE	62	47	70	42	55	3	2.1	1.0	1.1	11.5	104	7.9	139	95	64	0	0	5	2
MONTGOMERY	62	44	69	36	53	5	1.8	.8	.9	12.7	127	9.6	185	95	53	0	0	4	2
AK ANCHORAGE	30	18	38	8	24	8	.2	0	.2	3.1	147	1.7	170	94	68	0	7	1	0
BARROW	-7	-17	-3	-29	-12	6	T	-.1	T	.2	50	.1	33	81	74	0	7	1	0
FAIRBANKS	9	-10	16	-16	0	7	0	-.1	0	1.0	72	.7	100	87	72	0	7	0	0
JUNEAU	41	34	45	31	38	12	.7	-.2	.2	11.4	123	4.8	104	95	61	0	2	6	0
KODIAK	41	34	42	31	38	7	2.0	.2	.6	23.6	144	12.2	121	92	69	0	2	6	1
NOME	23	8	34	-6	16	12	T	-.1	T	2.1	128	.9	90	77	54	0	7	0	0
AZ PHOENIX	74	52	78	43	63	9	T	-.1	T	2.1	121	.7	78	64	23	0	0	0	0
PRESCOTT	60	28	64	24	44	6	T	-.4	T	2.0	54	1.2	57	83	27	0	5	1	0
TUCSON	72	43	77	35	58	5	T	-.2	T	1.8	93	.6	60	66	19	0	0	0	0
YUMA	78	52	80	46	65	7	0	-.1	0	.3	39	.1	20	48	19	0	0	0	0
AR FORT SMITH	59	38	69	32	49	9	.5	-.1	.5	4.2	80	3.0	125	88	48	0	1	1	0
LITTLE ROCK	58	42	65	36	50	9	.3	-.6	.2	5.2	60	1.8	39	79	49	0	0	3	0
CA BAKERSFIELD	66	40	81	33	53	2	.1	-.2	.1	2.7	139	1.7	131	93	39	0	0	1	0
EUREKA	65	45	80	43	55	7	1.6	.1	1.4	11.9	81	8.0	95	91	65	0	0	2	1
FRESNO	65	42	76	36	54	5	.1	-.4	.1	4.4	105	2.1	84	94	52	0	0	2	0
LOS ANGELES	72	49	84	45	61	4	0	-.7	0	1.6	29	1.3	34	78	40	0	0	0	0
REDDING	63	36	76	32	50	--	1.0	--	1.0	10.0	--	8.1	--	96	51	0	1	1	1
SACRAMENTO	62	40	70	36	51	2	.9	.1	.9	3.9	51	3.2	65	100	55	0	0	1	1
SAN DIEGO	72	50	82	46	61	3	0	-.4	0	2.6	67	1.6	64	79	42	0	0	0	0
SAN FRANCISCO	62	46	73	40	54	3	.5	-.5	.5	4.9	54	3.3	59	98	56	0	0	1	0
CO DENVER	56	29	71	20	42	11	.1	-.1	.1	1.1	89	.8	114	75	25	0	5	1	0
GRAND JUNCTION	50	27	52	23	38	8	.2	.1	.2	1.0	72	.5	63	83	38	0	6	1	0
PUEBLO	59	25	70	22	42	9	T	-.1	T	1.2	185	.7	233	91	28	0	6	0	0
CT BRIDGEPORT	41	27	49	18	34	5	T	-.7	T	9.2	119	4.8	120	77	46	0	7	0	0
HARTFORD	41	22	49	8	31	5	T	-.8	T	12.3	146	6.2	144	84	45	0	6	0	0
DC WASHINGTON	48	30	53	27	39	3	T	-.6	T	9.9	151	4.9	144	84	41	0	6	1	0
FL APALACHICOLA	62	49	71	40	56	3	.8	-.1	.3	16.4	208	6.8	155	96	72	0	0	5	0
DAYTONA BEACH	70	52	78	34	61	3	3.9	3.2	2.9	8.9	168	6.1	197	97	63	0	0	4	1
JACKSONVILLE	64	47	71	30	56	2	3.7	2.9	2.0	12.5	192	7.8	200	98	64	0	1	4	2
KEY WEST	78	65	80	56	72	3	.4	-.1	.2	12.5	315	1.3	59	91	64	0	0	3	0
MIAMI	79	63	83	46	71	4	2.1	1.6	1.7	5.2	116	3.0	115	90	57	0	0	2	1
ORLANDO	74	53	79	40	64	3	.7	.1	.7	5.6	123	2.0	74	97	55	0	0	2	1
TALLAHASSEE	63	41	71	30	52	0	1.0	-.2	.3	15.4	148	7.5	129	98	60	0	1	4	0
TAMPA	73	55	77	43	64	4	.2	-.5	.1	5.4	109	3.5	125	96	57	0	0	3	0
WEST PALM BEACH	77	61	81	49	69	4	.8	.1	.6	12.1	214	2.0	59	90	53	0	0	3	1
GA ATLANTA	57	42	63	35	50	7	1.4	.3	1.1	10.1	99	7.0	117	87	41	0	0	3	1
AUGUSTA	62	37	71	29	49	3	1.8	.9	.9	14.9	183	10.7	214	93	44	0	1	4	2
MACON	62	41	70	30	51	4	2.0	1.0	1.2	12.6	135	9.0	170	96	43	0	1	4	1
SAVANNAH	61	43	71	32	52	2	1.6	.8	.8	15.3	231	10.2	262	93	55	0	1	4	1
HI HILO	78	62	79	56	70	-2	T	-3.0	T	14.3	57	8.5	69	82	51	0	0	0	0
HONOLULU	79	59	81	55	69	-3	T	-.7	T	1.0	12	.4	9	85	44	0	0	0	0
KAHULUI	77	58	78	50	67	-4	T	-.9	T	4.6	58	1.8	35	82	50	0	0	1	0
LIHUE	76	60	79	57	68	-3	0	-1.1	0	2.6	21	1.3	18	82	52	0	0	0	0
ID BOISE	50	30	52	23	40	6	.2	-.1	.2	1.1	32	.9	45	91	50	0	5	2	0
LEWISTON	52	36	60	32	44	8	T	-.3	T	1.1	37	.6	35	85	52	0	1	0	0
POCATELLO	46	28	51	20	37	10	.1	-.1	.1	1.4	59	1.2	86	88	49	0	5	2	0
IL CHICAGO	45	27	51	21	36	12	0	-.3	0	2.8	69	1.7	89	91	53	0	6	0	0
MOLINE	49	24	58	19	37	15	0	-.3	0	2.9	75	.9	47	94	46	0	7	0	0
PEORIA	47	28	55	25	38	14	.1	-.2	.1	4.2	107	1.6	84	94	54	0	7	1	0
QUINCY	47	31	58	28	39	13	.1	-.2	.1	3.4	101	1.6	100	91	59	0	6	1	0
ROCKFORD	44	23	52	19	34	13	0	-.3	0	1.5	42	.9	53	92	60	0	7	0	0
SPRINGFIELD	46	29	56	26	37	11	T	-.4	T	2.9	72	1.5	79	95	60	0	6	0	0
IN EVANSVILLE	50	29	56	25	39	7	.5	-.2	.5	3.4	48	1.2	32	93	54	0	5	1	0
FORT WAYNE	39	26	46	17	33	9	T	-.4	T	3.7	74	2.1	84	96	64	0	6	1	0
INDIANAPOLIS	45	30	53	23	38	10	T	-.6	T	3.3	53	1.6	50	96	56	0	5	0	0
SOUTH BEND	39	22	43	12	31	6	T	-.5	T	4.0	67	2.3	77	95	64	0	7	0	0
IA DES MOINES	30	28	64	22	39	18	T	-.2	T	1.4	63	.5	42	85	41	0	7	1	0
SIOUX CITY	48	23	69	19	36	16	.1	-.1	.1	.5	33	.3	38	95	45	0	7	1	0
WATERLOO	42	24	52	19	33	16	0	-.2	0	1.3	59	.5	50	98	62	0	7	0	0
KS CONCORDIA	53	31	68	27	42	14	.2	.1	.2	2.2	150	.8	100	85	44	0	5	1	0
DODGE CITY	55	30	72	22	43	10	T	-.1	T	1.5	147	.6	120	87	37	0	6	0	0
GOODLAND	53	27	74	22	40	10	.1	0	0	.5	59	.4	80	79	39	0	7	2	0
TOPEKA	53	32	65	27	42	13	.4	.2	.3	2.7	113	1.5	136	93	52	0	3	2	0
WICHITA	57	34	68	28	45	13	.3	.2	.2	2.9	162	1.7	213	88	46	0	2	2	0
KY BOWLING GREEN	53	33	58	28	43	8	.4	-.5	.4	6.8	67	2.1	38	93	47	0	5	1	0
LEXINGTON	50	32	56	26	41	9	.2	-.6	.2	4.8	59	1.5	35	85	45	0	4	1	0
LOUISVILLE	52	32	58	27	42	8	.5	-.2	.5	4.0	53	1.4	33	84	40	0	4	1	1
LA ALEXANDRIA	65	49	73	45	57	4	.9	-.5	.4	10.2	93	5.2	87	88	58	0	0	3	0
BATON ROUGE	65	49	73	45	57	5	1.1	-.2	.5	14.4	133	8.1	140	95	58	0	0	5	0
LAKE CHARLES	66	50	70	46	58	5	.1	-.9	.1	16.7	162	6.9	133	97	61	0	0	3	0
NEW ORLEANS	64	50	71	46	57	4	1.0	-.3	.3	14.8	129	9.8	156	98	68	0	0	6	0

Based on 1951-80 normals.

Weather Data for the Week Ending February 7, 1987

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE DEC. 1	PCT. NORMAL SINCE DEC. 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
SHREVEPORT	66	45	75	40	55	7	1.6	.7	1.5	8.6	97	3.9	80	96	52	0	0	2	1
ME CARIBOU	21	-1	27	-11	10	-1	.2	-.3	.1	4.1	69	2.5	86	89	62	0	7	3	0
PORTLAND	37	15	45	6	26	5	T	-.8	T	11.1	122	5.2	113	86	45	0	7	1	0
MD BALTIMORE	47	27	52	22	37	4	T	-.7	T	11.4	160	5.9	159	76	39	0	5	0	0
SALISBURY	47	26	55	20	36	1	T	-.8	T	14.5	185	7.7	183	88	44	0	7	0	0
MA BOSTON	40	26	47	16	33	4	T	-.9	T	13.7	146	7.4	151	80	45	0	6	1	0
CHATHAM	40	26	44	17	33	3	.1	-.9	.1	13.7	132	6.2	115	86	59	0	7	2	0
MI ALPENA	37	19	40	-1	28	11	.3	0	.2	2.2	56	1.3	65	93	61	0	7	4	0
DETROIT	40	24	44	14	32	8	T	-.4	T	4.6	97	2.4	104	91	56	0	6	0	0
FLINT	40	24	45	12	32	10	T	-.3	T	2.9	74	1.2	63	90	57	0	7	2	0
GRAND RAPIDS	40	24	45	11	32	10	0	-.4	0	1.7	35	.7	30	89	56	0	7	0	0
HOUGHTON LAKE	36	20	41	10	28	12	.1	-.2	.1	2.0	54	1.1	61	88	62	0	7	1	0
LANSING	41	22	45	12	32	10	T	-.4	T	2.1	48	1.0	48	91	57	0	7	0	0
MARQUETTE	35	15	42	1	25	13	.7	.3	.3	2.6	54	2.1	88	95	63	0	7	5	0
MUSKEGON	40	24	44	14	32	9	0	-.4	0	2.9	53	1.5	54	92	63	0	7	0	0
SAULT STE. MARIE	33	22	37	3	28	15	.6	.2	.3	4.6	88	2.3	88	92	67	0	7	5	0
MN ALEXANDRIA	40	19	48	11	29	21	T	-.2	T	.8	46	.7	70	94	62	0	7	1	0
DULUTH	34	16	50	4	25	16	.1	-.1	.1	1.2	44	.7	50	93	59	0	7	1	0
INT'L FALLS	32	13	43	2	22	19	.2	0	.2	.8	39	.5	45	93	63	0	7	1	0
MINNEAPOLIS	42	20	53	13	31	17	T	-.2	T	.9	51	.6	60	99	60	0	7	0	0
ROCHESTER	39	22	52	15	31	17	T	-.1	T	1.0	55	.6	67	95	60	0	7	0	0
MS GREENWOOD	60	43	69	40	52	6	1.6	.5	1.2	7.5	64	4.9	79	86	58	0	0	3	1
JACKSON	63	44	74	37	53	6	2.5	1.4	1.1	12.1	106	7.1	116	97	59	0	0	6	2
MERIDIAN	62	43	74	37	52	6	2.9	1.9	1.4	15.8	135	11.7	195	96	57	0	0	5	2
MO CAPE GIRARDEAU	52	33	59	28	42	—	.3	-.4	.3	3.3	46	1.0	29	95	56	0	3	1	0
COLUMBIA	52	30	62	25	41	11	T	-.4	T	4.1	106	2.1	105	95	51	0	5	0	0
KANSAS CITY	52	33	63	29	42	13	.4	.2	.4	2.5	92	1.2	92	88	49	0	3	2	0
SAINT LOUIS	52	33	61	28	42	11	.1	-.4	.1	3.1	71	2.1	95	91	46	0	4	1	0
SPRINGFIELD	54	35	63	29	45	11	.4	-.1	.4	3.8	82	2.5	125	88	41	0	2	1	0
MT BILLINGS	53	32	68	27	42	17	T	-.2	T	.2	9	.1	8	63	30	0	4	1	0
GLASGOW	45	25	53	17	35	23	T	-.1	T	.2	19	.1	17	90	47	0	7	0	0
GREAT FALLS	53	32	63	17	42	19	T	-.2	T	.3	14	.1	8	62	27	0	3	0	0
HAVRE	52	24	63	7	38	22	0	-.1	0	.1	6	.1	14	76	29	0	6	0	0
HELENA	49	24	55	21	36	13	T	-.1	T	.4	27	T	0	85	36	0	7	0	0
KALISPELL	36	21	45	13	28	5	.2	-.1	.2	1.4	40	.9	47	99	76	0	7	1	0
MILES CITY	53	26	61	20	39	21	0	-.1	0	.2	16	.1	14	78	31	0	7	0	0
MISSOULA	38	23	47	13	30	5	.2	-.1	.1	1.0	34	.5	29	97	68	0	6	2	0
NE GRAND ISLAND	50	24	69	18	37	13	.1	-.1	.1	.4	30	.1	14	87	42	0	7	1	0
LINCOLN	53	27	71	24	40	17	.1	-.1	.1	1.5	99	.2	22	87	39	0	7	2	0
NORFOLK	50	24	71	18	37	16	.3	.1	.2	.9	72	.6	86	91	43	0	7	2	0
NORTH PLATTE	53	21	73	15	37	12	.2	.1	.2	.7	70	.4	80	88	36	0	7	2	0
OMAHA	51	28	70	23	39	17	T	-.2	T	.7	44	.1	11	82	50	0	7	1	0
SCOTTSBLUFF	54	25	70	20	39	12	.2	.1	.2	.8	76	.5	100	78	33	0	6	1	0
VALENTINE	51	23	70	18	37	15	.1	0	.1	.2	31	.2	50	79	37	0	7	1	0
NV ELY	48	21	55	14	34	7	T	-.1	T	.9	54	.8	89	87	37	0	7	1	0
LAS VEGAS	66	41	70	37	53	5	0	-.1	0	1.6	170	1.2	200	56	21	0	0	0	0
RENO	60	26	65	19	43	7	T	-.3	T	.7	26	.5	33	87	18	0	6	0	0
WINNEMUCCA	54	27	60	18	40	7	.2	0	.1	.8	40	.7	64	83	28	0	5	2	0
NH CONCORD	36	11	46	-6	24	3	T	-.6	T	7.5	110	3.0	88	89	45	0	7	0	0
NJ ATLANTIC CITY	45	24	51	20	35	3	.1	-.7	.1	11.2	142	6.4	149	87	43	0	7	1	0
NM ALBUQUERQUE	55	29	59	27	42	5	T	-.1	T	1.1	110	.7	140	85	29	0	7	0	0
CLOVIS	61	32	74	28	47	7	0	-.1	0	1.8	140	.4	57	75	24	0	4	0	0
ROSWELL	67	31	78	24	49	5	0	-.1	0	1.1	184	.3	100	78	18	0	3	0	0
NY ALBANY	35	20	42	5	28	7	.2	-.4	.2	8.3	140	4.4	152	92	59	0	6	1	0
BINGHAMTON	35	23	44	13	29	8	.2	-.4	.1	5.7	94	3.2	103	83	56	0	7	2	0
BUFFALO	36	25	38	17	31	8	.2	-.4	.1	7.1	101	3.1	84	92	64	0	7	4	0
NEW YORK	44	32	51	24	38	6	T	-.7	T	10.6	142	5.4	142	70	43	0	3	1	0
ROCHESTER	36	23	41	9	30	7	.1	-.5	.1	5.5	101	2.0	69	89	62	0	7	2	0
SYRACUSE	36	24	40	4	30	8	.4	-.3	.2	6.8	105	3.4	106	86	60	0	4	4	0
NC ASHEVILLE	53	31	58	24	42	4	.3	-.5	.3	8.1	103	3.8	88	86	39	0	5	1	0
CHARLOTTE	57	38	66	31	47	6	.4	-.5	.3	8.4	103	5.2	111	78	36	0	1	3	0
GREENSBORO	53	31	62	24	42	4	.2	-.7	.2	7.6	98	4.0	93	86	38	0	4	1	0
HATTERAS	53	40	62	35	46	1	.8	-.2	.8	18.0	176	11.4	197	91	53	0	0	1	1
NEW BERN	58	35	65	25	47	2	.5	-.5	.5	11.0	127	7.5	150	96	42	0	3	1	1
RALEIGH	56	33	61	24	45	5	.2	-.7	.2	9.6	127	6.7	152	83	34	0	3	1	0
WILMINGTON	60	37	68	26	48	2	.7	-.1	.6	13.5	171	7.2	160	93	43	0	1	3	1
ND BISMARCK	47	22	52	18	35	24	T	-.1	T	.2	15	.2	29	93	50	0	7	1	0
FARGO	39	16	48	8	27	20	T	-.1	T	.6	42	.3	43	94	72	0	7	1	0
GRAND FORKS	32	15	41	8	23	18	.1	0	.1	.9	61	.6	67	94	75	0	7	1	0
WILLISTON	45	24	49	17	34	24	T	-.1	T	.4	34	.3	43	93	57	0	7	1	0
OH AKRON-CANTON	41	27	46	18	34	8	T	-.5	T	4.7	83	2.0	65	91	54	0	5	1	0
CINCINNATI	49	31	55	22	40	10	.2	-.5	.2	3.6	54	1.0	27	85	41	0	4	2	0
CLEVELAND	41	26	45	16	33	8	T	-.5	T	4.8	84	2.0	67	90	55	0	6	0	0
COLUMBUS	46	28	51	20	37	10	T	-.6	T	4.0	67	1.1	33	91	49	0	5	0	0

Based on 1951-80 normals.

Weather Data for the Week Ending February 7, 1987

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE DEC. 1	PCT. NORMAL SINCE DEC. 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
OH DAYTON	45	28	50	21	37	10	T	-.5	T	3.9	70	1.1	35	94	53	0	5	0	0
TOLEDO	40	24	46	11	32	8	T	-.4	T	3.8	75	1.9	79	93	58	0	7	0	0
YOUNGSTOWN	40	25	46	15	32	8	T	-.6	T	5.3	88	1.8	55	91	56	0	6	0	0
OK OKLAHOMA CITY	60	39	69	30	50	11	1.4	1.1	1.1	5.0	206	3.9	325	93	52	0	1	3	1
TULSA	58	37	72	30	48	10	.9	.6	.4	4.1	116	3.1	182	92	44	0	1	3	0
OR ASTORIA	56	40	62	32	48	5	1.6	-.6	1.2	19.3	77	11.9	89	96	64	0	1	4	1
BURNS	43	23	47	16	33	1	.1	0	.1	1.5	101	1.3	217	—	—	0	6	2	0
MEDFORD	56	35	63	27	46	5	1.2	.6	1.0	4.8	64	4.1	103	98	50	0	3	2	1
PENDLETON	46	32	55	27	39	3	.2	-.2	.1	2.4	66	1.6	80	95	70	0	4	2	0
PORTLAND	53	37	57	29	45	4	1.0	-.1	.7	12.3	90	8.0	110	93	63	0	2	3	1
SALEM	54	36	58	29	45	4	1.4	.1	.8	12.9	84	9.0	108	99	69	0	2	2	2
PA ALLENTOWN	40	24	46	19	32	5	T	-.7	T	8.3	106	3.9	95	82	50	0	7	0	0
ERIE	39	26	44	22	32	9	.5	.1	.5	6.7	108	2.7	90	87	57	0	7	1	1
HARRISBURG	43	28	48	23	36	6	T	-.6	T	8.5	125	3.7	103	88	47	0	6	0	0
PHILADELPHIA	44	27	49	24	36	4	T	-.7	T	10.6	145	4.6	118	86	48	0	7	1	0
PITTSBURGH	43	27	49	19	35	8	T	-.5	T	5.7	96	2.3	68	77	42	0	5	2	0
SCRANTON	38	23	45	17	30	5	.1	-.4	0	4.7	88	2.7	96	83	52	0	7	3	0
RI PROVIDENCE	40	22	46	13	31	3	T	-.9	T	12.8	136	4.7	94	84	47	0	7	2	0
SC CHARLESTON	60	43	69	32	51	3	.9	.1	.5	13.3	185	8.1	198	93	53	0	1	4	0
COLUMBIA	60	37	70	28	48	3	.6	-.4	.3	11.5	129	8.9	165	88	37	0	1	4	0
FLORENCE	58	38	62	27	48	2	.3	-.5	.2	9.3	127	6.0	140	81	41	0	2	3	0
GREENVILLE	55	36	67	31	46	4	.6	-.4	.6	9.4	103	5.3	102	85	42	0	1	3	1
SD ABERDEEN	51	16	62	8	33	21	0	-.1	0	.1	8	.1	17	96	39	0	7	0	0
HURON	52	20	66	13	36	21	T	-.1	T	.2	19	.2	33	92	40	0	7	1	0
RAPID CITY	52	25	73	14	39	15	.3	.2	.3	.3	34	.3	50	79	36	0	7	1	0
SIOUX FALLS	49	20	65	13	34	19	T	-.2	T	.2	11	.2	29	91	40	0	7	0	0
TN CHATTANOOGA	57	37	65	30	47	7	1.0	-.2	1.0	12.1	106	7.4	117	88	44	0	1	1	1
KNOXVILLE	55	32	60	27	44	4	.4	-.6	.4	9.1	89	5.0	89	93	41	0	4	1	0
MEMPHIS	59	41	67	34	50	9	.8	-.2	.8	6.5	62	2.6	46	90	43	0	0	1	1
NASHVILLE	57	35	63	30	46	8	.2	-.8	.1	5.1	50	1.8	33	88	38	0	1	2	0
TX ABILENE	64	41	76	33	52	7	1.5	1.3	.8	4.1	198	2.1	175	91	48	0	0	3	2
AMARILLO	58	31	71	27	45	7	T	-.1	T	1.9	176	1.3	217	92	33	0	5	0	0
AUSTIN	69	49	77	42	59	8	T	-.6	T	6.7	158	1.0	45	91	44	0	0	3	0
BEAUMONT	67	52	70	46	60	6	.2	-.8	.1	17.9	184	8.3	160	93	56	0	0	4	0
BROWNSVILLE	74	56	80	44	65	4	1.2	.8	1.2	6.1	216	3.7	218	95	62	0	0	3	1
CORPUS CHRISTI	71	53	79	44	62	5	1.4	.9	1.3	8.1	235	3.6	171	97	58	0	0	2	1
DEL RIO	71	45	82	41	58	5	2.6	2.4	2.6	5.1	400	2.7	386	78	54	0	0	1	1
EL PASO	65	29	73	18	47	1	0	-.1	0	1.7	200	.3	60	84	24	0	5	0	0
FORT WORTH	67	43	79	39	55	9	.6	.1	.3	4.2	112	1.8	86	96	48	0	0	3	0
GALVESTON	65	53	67	47	59	5	.1	-.6	0	8.1	112	4.0	111	93	60	0	0	3	0
HOUSTON	68	50	74	44	59	6	.2	-.6	.2	8.4	108	2.6	63	92	55	0	0	3	0
LUBBOCK	62	32	76	24	47	7	.2	.1	.2	2.1	220	.8	160	89	34	0	4	1	0
MIDLAND	66	34	78	28	50	4	.9	.8	.9	4.3	422	1.0	167	91	38	0	4	2	1
SAN ANGELO	66	39	78	34	52	5	3.4	3.2	3.2	6.5	439	4.1	456	94	46	0	0	2	1
SAN ANTONIO	69	46	78	42	58	6	1.0	.5	.9	9.2	268	2.1	105	93	47	0	0	3	1
VICTORIA	69	51	76	44	60	5	.3	-.2	.3	7.0	153	2.7	113	94	61	0	0	2	0
WACO	67	44	78	39	55	7	.3	-.2	.2	5.0	123	1.6	73	97	48	0	0	3	0
WICHITA FALLS	63	39	73	30	51	8	1.3	1.1	1.0	4.0	169	3.1	282	94	53	0	1	2	1
UT BLANDING	51	26	55	23	38	8	.1	-.2	.1	1.9	66	1.3	81	88	48	0	7	1	0
CEDAR CITY	51	26	58	20	39	6	.1	0	.1	1.1	73	.6	75	86	39	0	5	2	0
SALT LAKE CITY	47	28	54	24	38	6	.1	-.2	.1	1.7	57	1.6	100	87	50	0	5	1	0
VT BURLINGTON	31	14	40	1	23	7	.1	-.3	0	3.4	72	2.1	91	90	60	0	7	5	0
VA NORFOLK	51	32	61	23	41	1	T	-.8	T	13.7	178	10.0	217	84	39	0	3	1	0
RICHMOND	50	27	58	20	39	2	T	-.8	T	10.7	145	5.6	140	89	34	0	6	1	0
ROANOKE	52	31	57	23	42	6	0	-.7	0	10.0	154	4.5	125	73	34	0	4	0	0
WA COLVILLE	39	29	45	24	34	5	.4	0	.4	3.5	67	2.0	77	98	88	0	6	1	0
QUILLAYUTE	55	37	62	29	46	5	2.0	-1.2	.9	28.4	82	16.0	88	99	56	0	2	3	2
SEATTLE-TACOMA	54	39	62	34	47	5	1.2	0	.9	10.9	80	7.2	100	96	57	0	0	4	1
SPOKANE	44	29	50	25	37	7	.5	0	.4	3.1	56	2.1	72	98	65	0	6	2	0
YAKIMA	46	27	49	23	37	4	T	-.2	T	2.4	79	1.5	88	94	64	0	7	1	0
WV BECKLEY	46	27	50	17	36	6	T	-.7	T	6.0	81	3.3	79	85	36	0	5	1	0
CHARLESTON	50	29	55	21	39	6	.1	-.6	.1	7.2	96	3.3	77	92	45	0	5	2	0
HUNTINGTON	50	31	54	24	40	7	.1	-.6	.1	6.2	88	2.6	67	87	41	0	5	1	0
PARKERSBURG	48	28	54	20	38	7	.3	-.5	.2	5.8	80	1.8	40	90	42	0	5	2	0
WI GREEN BAY	39	20	44	12	29	14	T	-.2	T	1.0	33	.5	36	93	63	0	7	0	0
LA CROSSE	42	21	50	17	32	15	T	-.2	T	1.5	66	1.1	92	92	54	0	7	0	0
MADISON	43	23	50	18	33	16	0	-.2	0	1.4	48	.7	54	89	53	0	7	0	0
MILWAUKEE	43	25	50	19	34	14	0	-.3	0	2.3	59	1.2	63	88	55	0	7	0	0
WAUSAU	39	18	47	5	28	15	T	-.2	T	1.1	44	.6	55	89	56	0	7	0	0
WY CASPER	42	25	48	15	34	9	.3	.2	.2	2.1	178	1.8	300	82	53	0	6	2	0
CHEYENNE	50	27	64	20	39	11	.1	0	.1	.4	45	.2	40	69	30	0	5	1	0
LANDER	44	22	49	17	33	10	T	-.1	T	1.0	89	.8	133	82	41	0	7	0	0
SHERIDAN	49	26	61	21	38	14	.3	.2	.3	.9	60	.8	89	83	42	0	6	2	0
PR SAN JUAN	85	69	87	68	77	1	.2	-.4	.2	4.4	55	1.4	39	94	80	0	0	2	0

Based on 1951-80 normals.

CORRECT TABLE FOR VOL. 74, NO. 5, FEB. 3, 1987

Weather Data for the Week Ending JANUARY 31, 1987

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE DEC. 1	PCT. NORMAL SINCE DEC. 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	52	27	70	12	40	-4	1.1	-.1	1.1	9.1	90	5.8	112	87	40	0	6	1	1
MOBILE	63	39	73	24	51	0	1.1	.1	1.1	9.5	95	5.8	126	92	41	0	2	2	1
MONTGOMERY	58	32	74	19	45	-2	.9	0	.9	10.8	120	7.8	186	89	36	0	3	1	1
AK ANCHORAGE	24	12	42	4	18	3	T	-.2	T	2.9	154	1.5	188	88	61	0	7	0	0
BARROW	-24	-29	-21	-30	-26	-10	T	-.1	T	.2	56	.1	50	72	68	0	7	0	0
FAIRBANKS	2	-12	12	-18	-5	5	.1	0	.1	1.0	80	.7	140	79	59	0	7	1	0
JUNEAU	36	27	41	21	32	9	.1	-.8	.1	10.7	128	4.1	111	93	62	0	5	2	0
KODIAK	40	31	42	22	36	4	1.7	-.2	.8	21.6	148	10.2	123	92	74	0	3	5	2
NOME	14	1	28	-2	8	2	T	-.2	T	2.1	140	.9	113	74	51	0	7	0	0
AZ PHOENIX	75	50	81	43	63	9	.5	.3	.5	2.1	131	.7	100	56	17	0	0	1	0
PRESCOTT	61	30	66	26	45	8	.6	.3	.6	2.0	60	1.2	71	85	30	0	5	1	1
TUCSON	76	42	86	34	59	8	T	-.1	T	1.8	103	.6	75	60	17	0	0	1	0
YUMA	76	52	80	47	64	6	T	-.1	T	.3	43	.1	25	52	21	0	0	0	0
AR FORT SMITH	57	28	68	23	43	4	0	-.4	0	3.7	79	2.5	132	88	35	0	5	0	0
LITTLE ROCK	54	34	74	22	44	4	T	-.8	T	4.9	63	1.5	41	70	43	0	3	0	0
CA BAKERSFIELD	61	40	67	35	51	1	.1	-.2	.1	2.6	158	1.6	160	92	56	0	0	1	0
EUREKA	61	47	67	43	54	6	1.9	.3	.9	10.3	78	6.5	93	90	62	0	0	5	1
FRESNO	61	43	68	38	52	5	T	-.5	T	4.2	116	1.9	90	90	60	0	0	0	0
LOS ANGELES	67	51	80	45	59	3	T	.7	T	1.6	34	1.3	42	91	46	0	0	0	0
REDDING	54	38	61	29	46	***	1.8	***	1.0	9.0	***	7.0	***	99	67	0	1	4	2
SACRAMENTO	59	42	67	38	51	4	.7	-.2	.3	3.0	44	2.3	58	99	62	0	0	3	0
SAN DIEGO	67	50	78	46	59	1	0	-.5	0	2.6	74	1.6	76	90	50	0	0	0	0
SAN FRANCISCO	58	47	60	43	52	3	.6	-.5	.3	4.5	54	2.8	60	97	65	0	0	3	0
CO DENVER	55	31	62	24	43	13	0	-.1	0	1.0	95	.7	140	66	23	0	5	0	0
GRAND JUNCTION	45	23	51	14	34	6	.1	-.1	.1	.8	63	.3	50	89	45	0	7	1	0
PUEBLO	55	26	62	20	40	9	0	0	0	1.2	205	.7	233	90	31	0	7	0	0
CT BRIDGEPORT	31	15	38	7	23	-6	.3	-.2	.3	9.2	131	4.8	145	82	47	0	7	2	0
HARTFORD	28	5	36	-6	17	-8	.6	-.2	.6	12.3	160	6.2	177	83	46	0	7	2	1
DC WASHINGTON	33	18	42	7	25	-10	1.1	.5	.5	9.9	166	4.9	175	87	42	0	7	4	1
FL APALACHICOLA	65	43	74	29	54	1	.4	-.4	.4	15.7	223	6.0	171	93	55	0	1	1	0
DAYTONA BEACH	66	40	77	31	53	-4	.3	-.2	.3	5.0	109	2.2	92	96	44	0	1	1	0
JACKSONVILLE	62	37	75	29	49	-5	.3	-.3	.3	8.8	155	4.1	132	95	46	0	3	1	0
KEY WEST	73	60	80	52	66	-3	0	-.5	0	12.1	348	.9	53	91	57	0	0	0	0
MIAMI	74	52	84	41	63	-4	.1	-.4	.1	3.1	78	.9	43	93	41	0	0	1	0
ORLANDO	68	42	78	33	55	-5	.1	-.4	.1	4.9	124	1.3	62	93	42	0	0	1	0
TALLAHASSEE	62	35	72	26	49	-3	.6	-.5	.5	14.4	156	6.5	138	94	43	0	3	2	1
TAMPA	67	46	73	40	57	-3	.2	-.4	.2	5.2	121	3.3	150	95	53	0	0	2	0
WEST PALM BEACH	72	50	82	42	61	-4	.1	-.6	.1	11.3	227	1.2	44	91	41	0	0	1	0
GA ATLANTA	50	30	63	16	40	-2	1.1	0	1.1	8.7	95	5.6	114	82	40	0	4	1	1
AUGUSTA	55	33	75	25	44	-1	.5	-.4	.4	13.1	182	8.9	222	92	45	0	4	3	0
MACON	58	33	75	21	46	-2	.6	-.4	.6	10.6	128	6.9	160	87	39	0	4	1	1
SAVANNAH	58	38	72	30	48	-2	.4	-.3	.4	13.8	235	8.6	277	91	44	0	2	2	0
HI HILO	79	65	83	62	72	1	.6	-1.9	.4	14.3	64	8.5	90	91	58	0	0	2	0
HONOLULU	79	65	83	63	72	0	.3	-.5	.2	1.0	14	.4	11	86	53	0	0	2	0
KAHULUI	79	62	83	55	70	-1	.3	-.7	.3	4.6	65	1.7	40	86	53	0	0	3	0
LIHUE	77	66	83	63	71	0	.9	-.4	.6	2.6	23	1.3	21	87	56	0	0	3	1
ID BOISE	46	29	53	26	38	6	.4	.1	.3	.9	30	.8	50	95	56	0	7	4	0
LEWISTON	45	34	50	33	40	6	.3	0	.2	1.1	41	.6	43	90	65	0	0	3	0
POCATELLO	44	29	49	24	36	11	.2	0	.1	1.2	58	1.0	91	90	56	0	5	3	0
IL CHICAGO	30	16	37	-1	23	2	.5	.2	.4	2.8	74	1.7	106	86	53	0	7	3	0
MOLINE	32	16	40	0	24	4	.2	-.1	.2	2.9	81	.9	56	90	53	0	7	2	0
PEORIA	31	14	38	-3	23	1	.1	-.2	.1	4.1	113	1.5	94	93	59	0	7	3	0
QUINCY	34	15	42	-6	24	0	T	-.3	T	3.3	108	1.5	107	85	55	0	7	1	0
ROCKFORD	29	12	35	-5	21	2	.2	-.1	.2	1.5	46	.9	64	86	55	0	7	2	0
SPRINGFIELD	32	13	42	-3	23	-2	T	-.3	T	2.9	79	1.5	94	87	58	0	7	1	0
IN EVANSVILLE	37	20	54	5	29	-2	.1	-.6	.1	3.0	46	.8	27	87	55	0	6	1	0
FORT WAYNE	27	11	36	-7	19	-4	.6	.1	.5	3.7	81	2.1	100	92	69	0	7	3	0
INDIANAPOLIS	30	15	41	0	22	-4	.2	-.4	.1	3.3	59	1.6	59	89	66	0	7	3	0
SOUTH BEND	27	11	34	-7	19	-4	.4	-.1	.3	4.0	73	2.3	92	90	66	0	7	2	0
IA DES MOINES	38	19	53	7	29	10	T	-.3	T	1.4	68	.4	40	86	49	0	7	1	0
SIOUX CITY	45	22	57	14	34	16	T	-.1	T	.4	31	.2	33	86	41	0	7	0	0
WATERLOO	32	12	39	-3	22	7	.1	-.1	.1	1.3	65	.5	63	92	67	0	7	2	0
KS CONCORDIA	52	25	60	11	39	13	T	-.1	T	2.0	150	.6	100	79	27	0	6	1	0
DODGE CITY	56	28	59	17	42	12	T	-.1	T	1.5	159	.6	120	80	33	0	6	0	0
GOODLAND	56	26	63	22	41	13	T	-.1	T	.5	57	.3	75	75	26	0	7	0	0
TOPEKA	45	23	56	7	34	7	T	-.2	T	2.3	105	1.1	122	88	41	0	6	0	0
WICHITA	45	23	57	8	34	4	T	-.1	T	2.6	157	1.4	200	92	48	0	6	0	0
KY BOWLING GREEN	37	22	53	7	30	-4	.6	-.4	.5	6.4	70	1.6	35	92	61	0	5	2	0
LEXINGTON	34	19	52	5	27	-5	.3	-.5	.2	4.6	62	1.3	36	88	54	0	7	3	0
LOUISVILLE	37	22	56	8	29	-3	.1	-.6	.1	3.5	51	.8	24	78	47	0	5	3	0
LA ALEXANDRIA	64	39	75	30	51	-2	T	-1.1	T	9.3	97	4.4	94	86	48	0	1	0	0
BATON ROUGE	65	39	77	27	52	1	.1	-1.1	.1	13.3	139	7.1	154	93	47	0	2	1	0
LAKE CHARLES	65	42	73	32	54	2	0	-1.0	0	16.6	178	6.8	158	98	52	0	1	0	0
NEW ORLEANS	65	41	76	26	53	0	.5	-.7	.5	13.8	135	8.8	176	95	48	0	1	1	1

Based on 1951-80 normals.

CORRECT TABLE FOR VOL. 74, NO. 5, FEB. 3, 1987

Weather Data for the Week Ending JANUARY 31, 1987

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE DEC. 1	PCT. NORMAL SINCE DEC. 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
SHREVEPORT	64	35	78	27	50	3	T	-.9	T	7.0	88	2.3	58	92	38	0	4	0	0
ME CARIBOU	12	-11	22	-25	1	-10	.1	-.4	.1	4.0	72	2.3	96	85	56	0	7	1	0
PORTLAND	26	3	34	-6	15	-6	.5	-.3	.3	11.1	134	5.2	137	90	49	0	7	2	0
MD BALTIMORE	32	13	40	-2	23	-10	1.4	.7	.6	11.4	178	5.9	197	84	44	0	7	4	2
SALISBURY	33	11	44	-6	22	-13	1.7	.9	.9	14.5	205	7.7	226	94	49	0	7	4	2
MA BOSTON	30	15	36	8	22	-7	1.7	.7	1.0	13.7	162	7.3	183	83	49	0	7	3	1
CHATHAM	34	20	41	13	27	-3	1.6	.7	1.4	13.6	146	6.1	142	85	59	0	7	3	1
MI ALPENA	27	9	31	0	18	2	.4	.1	.3	1.9	52	.9	53	93	60	0	7	2	0
DETROIT	28	13	34	-7	20	-3	.5	.2	.3	4.6	106	2.4	126	92	61	0	7	4	0
FLINT	26	12	31	-7	19	-2	.3	-.1	.2	2.9	81	1.2	75	88	63	0	7	5	0
GRAND RAPIDS	28	13	34	-5	20	-1	.1	-.3	.1	1.7	38	.7	37	86	57	0	7	3	0
HOUGHTON LAKE	26	7	31	-12	17	1	.3	0	.2	1.9	57	1.1	73	90	61	0	7	3	0
LANSING	27	12	33	-8	20	-2	.2	-.1	.2	2.1	53	1.0	59	89	60	0	7	3	0
MARQUETTE	24	4	30	-16	14	2	.5	0	.3	2.0	44	1.4	70	96	70	0	7	4	0
MUSKEGON	30	15	35	-9	22	0	.5	0	.3	2.9	57	1.5	63	92	61	0	7	3	0
SAULT STE. MARIE	22	5	29	-11	14	2	.5	0	.3	4.0	83	1.8	82	91	60	0	7	5	0
MN ALEXANDRIA	28	14	41	-1	21	15	.4	.2	.2	.8	51	.7	88	95	70	0	7	3	0
DULUTH	23	4	29	-20	13	7	.5	.2	.4	1.1	44	.7	58	91	64	0	7	2	0
INT'L FALLS	21	-4	31	-35	9	8	.1	0	.1	.6	34	.3	33	94	69	0	7	1	0
MINNEAPOLIS	29	13	39	0	21	9	.4	.3	.4	.9	56	.6	75	91	65	0	7	1	0
ROCHESTER	27	11	37	-5	19	8	.3	.1	.2	1.0	60	.6	86	90	68	0	7	3	0
MS GREENWOOD	57	32	72	19	45	1	.5	-.7	.5	5.9	56	3.3	63	92	43	0	4	1	0
JACKSON	60	33	75	21	47	1	.4	-.7	.4	9.7	93	4.7	94	94	43	0	4	1	0
MERIDIAN	59	31	74	21	45	-1	.7	-.3	.7	12.9	121	8.8	176	93	40	0	4	1	1
MO CAPE GIRARDEAU	47	20	72	13	34	—	T	-.6	T	3.1	46	.7	24	86	51	0	6	1	0
COLUMBIA	39	21	53	-1	30	2	T	-.4	T	4.1	117	2.1	131	92	57	0	6	0	0
KANSAS CITY	43	24	56	6	34	7	T	-.2	T	2.0	83	.8	73	80	43	0	6	0	0
SAINT LOUIS	38	20	55	4	29	0	T	-.4	T	3.0	77	2.0	118	82	49	0	6	0	0
SPRINGFIELD	46	25	57	15	36	4	0	-.4	0	3.4	81	2.1	131	84	41	0	6	0	0
MT BILLINGS	51	30	58	24	40	18	T	-.2	T	.2	10	.1	10	67	28	0	5	0	0
GLASGOW	42	22	47	12	32	23	T	-.1	T	.2	22	.1	20	89	46	0	7	0	0
GREAT FALLS	48	28	54	21	38	18	0	-.2	0	.3	16	.1	10	64	28	0	6	0	0
HAVRE	47	22	52	16	35	22	0	-.1	0	.1	6	.1	17	78	30	0	7	0	0
HELENA	44	24	50	19	34	14	T	-.1	T	.4	30	T	0	81	44	0	7	0	0
KALISPELL	35	19	39	10	27	6	.3	-.1	.2	1.2	37	.7	44	100	76	0	7	3	0
MILES CITY	45	25	48	17	35	19	T	-.1	T	.2	18	.1	17	79	38	0	7	1	0
MISSOULA	36	22	41	17	29	6	.1	-.2	.1	.8	30	.3	21	98	75	0	7	2	0
NE GRAND ISLAND	52	21	61	12	37	15	0	-.1	0	.3	29	.1	20	80	26	0	7	0	0
LINCOLN	52	20	63	11	36	16	T	-.2	T	1.4	109	.1	17	76	27	0	7	0	0
NORFOLK	48	20	56	13	34	16	T	-.1	T	.7	57	.3	60	83	31	0	7	1	0
NORTH PLATTE	55	19	60	13	37	15	0	-.1	0	.4	52	.2	50	87	28	0	7	0	0
OMAHA	46	26	59	14	36	17	T	-.2	T	.7	49	0	0	68	43	0	5	0	0
SCOTTSBLUFF	53	20	60	10	37	11	T	0	T	.6	62	.3	75	85	28	0	7	1	0
VALENTINE	51	20	58	15	36	16	T	-.1	T	.1	21	.1	33	76	32	0	7	0	0
NV ELY	47	19	58	11	33	7	.1	0	.1	.8	56	.8	114	87	44	0	7	1	0
LAS VEGAS	64	42	67	34	53	7	0	-.1	0	1.6	199	1.2	240	67	25	0	0	0	0
RENO	56	26	67	21	41	7	.1	-.2	.1	.7	29	.5	42	91	30	0	7	1	0
WINNEMUCCA	52	26	58	21	39	7	T	-.1	T	.6	33	.5	56	82	37	0	7	1	0
NH CONCORD	27	-4	33	-16	12	-8	.5	-.1	.4	7.5	120	3.0	107	88	46	0	7	2	0
NJ ATLANTIC CITY	32	11	41	-8	22	-10	2.0	1.2	1.7	11.1	157	6.3	180	95	54	0	7	3	1
NM ALBUQUERQUE	51	28	55	23	40	3	.2	.1	.2	1.1	118	.7	175	81	38	0	6	1	0
CLOVIS	59	32	66	27	46	8	T	-.1	T	1.8	158	.4	80	76	29	0	4	0	0
ROSWELL	68	33	74	28	51	8	0	-.1	0	1.1	210	.3	150	76	20	0	3	0	0
NY ALBANY	25	0	34	-15	13	-8	.4	-.2	.3	8.2	151	4.2	175	97	57	0	7	2	0
BINGHAMTON	25	10	32	-3	18	-4	.2	-.3	.2	5.5	101	3.0	120	85	56	0	7	3	0
BUFFALO	27	13	34	-2	20	-3	.7	0	.3	6.9	107	2.9	97	93	62	0	7	7	0
NEW YORK	31	20	38	11	26	-6	.7	-.1	.4	10.6	157	5.4	174	75	47	0	7	2	0
ROCHESTER	27	11	36	-2	19	-4	.3	-.3	.1	5.4	111	1.9	83	92	61	0	7	3	0
SYRACUSE	28	9	35	-7	18	-4	.4	-.3	.3	6.4	110	3.0	115	88	58	0	7	3	0
NC ASHEVILLE	39	21	54	6	30	-7	.5	-.3	.5	7.8	111	3.5	100	94	53	0	7	2	1
CHARLOTTE	45	26	63	19	36	-5	.3	-.6	.3	8.0	111	4.8	126	89	44	0	6	1	0
GREENSBORO	39	20	53	10	30	-8	.5	-.4	.4	7.4	108	3.8	109	84	47	0	6	2	0
HATTERAS	47	33	55	28	40	-5	2.2	1.2	2.0	17.2	187	10.6	226	90	43	0	4	2	1
NEW BERN	49	27	66	18	38	-6	.7	-.3	.6	10.5	136	7.0	175	94	52	0	5	2	1
RALEIGH	41	24	61	15	32	-8	.4	-.4	.4	9.4	141	6.5	181	86	49	0	5	3	0
WILMINGTON	52	29	65	23	40	-6	.4	-.4	.4	12.8	180	6.5	181	92	45	0	4	1	0
ND BISMARCK	35	12	46	0	23	16	T	-.1	T	.2	16	.1	20	95	65	0	7	1	0
FARGO	28	16	35	3	22	17	.2	.1	.2	.6	47	.3	50	90	70	0	7	1	0
GRAND FORKS	26	8	33	-14	17	14	.3	.2	.3	.8	59	.5	63	91	73	0	7	1	0
WILLISTON	37	17	42	6	27	19	T	-.1	T	.4	37	.3	50	93	63	0	7	0	0
OH AKRON-CANTON	28	15	36	3	21	-4	.5	0	.3	4.7	91	1.9	73	92	63	0	7	3	0
CINCINNATI	33	19	49	5	26	-3	.1	-.6	.1	3.5	57	.9	29	82	54	0	7	1	0
CLEVELAND	29	14	37	3	21	-4	.5	-.1	.2	4.8	92	2.0	80	89	62	0	7	5	0
COLUMBUS	33	18	42	5	25	-2	.3	-.3	.3	4.0	74	1.1	39	89	53	0	7	2	0

Based on 1951-80 normals.

CORRECT TABLE FOR VOL. 74, NO. 5, FEB. 3, 1987

Weather Data for the Week Ending · JANUARY 31, 1987

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE DEC. 1	PCT. NORMAL SINCE DEC. 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	30	16	42	1	23	-3	.3	-.3	.2	3.9	77	1.1	42	93	68	0	7	3	0
TOLEDO	28	11	36	-7	20	-3	.5	.1	.4	3.8	82	1.9	95	93	63	0	7	4	0
YOUNGSTOWN	27	13	36	-1	20	-4	.4	-.2	.2	5.3	97	1.8	67	92	64	0	7	3	0
OK OKLAHOMA CITY	51	30	60	12	40	4	0	-.2	0	3.7	170	2.5	250	78	44	0	4	0	0
TULSA	51	29	61	17	40	4	0	-.4	0	3.2	100	2.2	157	86	40	0	5	0	0
OR ASTORIA	52	42	54	40	47	6	5.1	2.8	2.5	17.7	78	10.4	92	96	72	0	0	7	3
BURNS	42	20	48	15	31	2	0	-.1	0	1.4	101	1.2	240	--	--	0	7	0	0
MEDFORD	54	38	67	33	46	7	.7	0	.4	3.6	52	2.9	85	97	60	0	0	3	0
PENDLETON	45	33	53	31	39	5	.6	.3	.3	2.3	68	1.5	88	91	66	0	4	5	0
PORTLAND	50	40	55	37	45	5	3.3	2.0	2.2	11.2	89	6.9	111	96	74	0	0	7	1
SALEM	53	43	56	40	48	8	3.8	2.3	1.6	11.5	81	7.6	107	97	74	0	0	7	3
PA ALLENTOWN	29	11	36	-3	20	-7	.1	-.6	.1	8.3	117	3.9	115	86	45	0	7	2	0
ERIE	29	15	36	2	22	-2	.3	-.2	.2	6.2	107	2.2	88	91	64	0	7	4	0
HARRISBURG	29	13	40	0	21	-8	.4	-.2	.4	8.5	138	3.7	123	90	48	0	7	2	0
PHILADELPHIA	31	15	39	4	23	-8	.5	-.2	.3	10.6	160	4.6	144	88	46	0	7	3	0
PITTSBURGH	29	15	40	3	22	-5	.6	-.1	.4	5.7	105	2.2	76	79	49	0	7	3	0
SCRANTON	27	8	36	-5	17	-8	.1	-.4	.1	4.6	96	2.6	113	86	50	0	7	1	0
RI PROVIDENCE	30	12	35	4	21	-7	.7	-.2	.5	12.8	150	4.7	115	86	48	0	7	2	1
SC CHARLESTON	55	35	68	28	45	-3	.4	-.4	.4	12.4	193	7.2	218	92	36	0	3	1	0
COLUMBIA	52	32	72	24	42	-3	.8	-.2	.7	10.9	138	8.3	189	88	38	0	5	2	1
FLORENCE	53	31	71	23	42	-3	.6	-.2	.4	9.0	138	5.7	163	90	41	0	5	2	0
GREENVILLE	45	26	63	13	35	-6	.5	-.5	.5	8.8	108	4.6	110	91	46	0	5	2	0
SD ABERDEEN	38	16	49	4	27	18	T	-.1	T	.1	9	.1	20	90	54	0	7	1	0
HURON	44	19	55	10	32	20	T	-.1	T	.2	18	.2	50	89	39	0	7	0	0
RAPID CITY	52	24	57	20	38	17	T	-.1	T	.1	6	0	0	79	29	0	7	1	0
SIOUX FALLS	42	20	54	8	31	18	T	-.1	T	.2	12	.2	40	84	43	0	7	0	0
TN CHATTANOOGA	45	25	61	15	35	-4	1.2	.1	1.1	11.2	108	6.4	123	89	45	0	6	3	1
KNOXVILLE	40	23	59	9	31	-7	.9	-.1	.8	8.8	95	4.7	100	94	56	0	6	4	1
MEMPHIS	50	29	70	19	40	-1	.5	-.6	.5	5.7	60	1.8	39	92	47	0	5	1	0
NASHVILLE	41	22	60	6	31	-6	.2	-.8	.1	4.9	54	1.6	36	86	56	0	5	2	0
TX ABILENE	69	38	80	25	53	9	T	-.3	T	2.6	142	.5	50	77	25	0	1	0	0
AMARILLO	52	30	63	19	41	5	.3	.1	.3	1.9	202	1.3	260	82	40	0	4	1	0
AUSTIN	73	45	79	37	59	9	0	-.5	0	6.7	183	.9	56	82	29	0	0	0	0
BEAUMONT	68	43	76	34	56	4	T	-1.0	T	17.7	203	8.1	193	96	43	0	0	0	0
BROWNSVILLE	77	53	79	45	65	4	0	-.4	0	4.9	203	2.5	192	99	50	0	0	0	0
CORPUS CHRISTI	73	48	81	40	61	4	0	-.4	0	6.8	223	2.2	138	99	50	0	0	0	0
DEL RIO	75	44	80	38	60	8	0	-.2	0	2.5	237	.2	40	89	59	0	0	0	0
EL PASO	67	31	72	21	49	3	0	-.1	0	1.7	223	.3	75	78	20	0	4	0	0
FORT WORTH	66	36	76	27	51	6	0	-.4	0	3.6	109	1.2	71	86	30	0	3	0	0
GALVESTON	66	50	74	37	58	4	0	-.6	0	8.0	122	3.9	130	93	55	0	0	0	0
HOUSTON	71	43	78	34	57	5	0	-.8	0	8.2	119	2.4	75	91	37	0	0	0	0
LUBBOCK	64	33	76	29	49	9	T	-.1	T	1.8	227	.5	125	79	25	0	3	0	0
MIDLAND	71	37	79	30	54	10	T	-.1	T	3.4	385	.1	25	69	21	0	2	0	0
SAN ANGELO	72	35	81	27	54	8	.1	-.1	.1	3.1	245	.7	117	84	23	0	3	1	0
SAN ANTONIO	74	42	83	34	58	7	0	-.4	0	8.2	278	1.1	69	85	33	0	0	0	0
VICTORIA	72	45	78	35	59	5	T	-.5	T	6.7	167	2.4	126	95	42	0	0	0	0
WACO	69	37	78	28	53	6	0	-.4	0	4.8	132	1.3	76	92	30	0	2	0	0
WICHITA FALLS	61	31	75	20	46	5	0	-.2	0	2.7	125	1.8	200	89	36	0	4	0	0
UT BLANDING	47	25	52	20	36	7	.4	.1	.3	1.9	71	1.2	92	89	55	0	6	2	0
CEDAR CITY	50	28	58	24	39	8	.1	-.1	.1	.9	71	.4	67	84	43	0	6	1	0
SALT LAKE CITY	46	26	50	21	36	6	.3	0	.3	1.6	59	1.5	107	88	49	0	7	1	0
VT BURLINGTON	21	-1	35	-19	10	-6	.2	-.3	.1	3.2	76	1.9	100	87	59	0	7	2	0
VA NORFOLK	40	26	55	18	33	-7	.9	0	.7	13.7	199	9.9	268	85	47	0	5	2	1
RICHMOND	36	15	53	-1	26	-12	.5	-.3	.3	10.7	161	5.5	172	87	41	0	7	2	0
ROANOKE	36	17	54	2	27	-9	.9	.2	.8	10.0	174	4.5	161	82	49	0	7	2	1
WA COLVILLE	37	30	40	25	34	8	.6	.2	.3	3.0	65	1.6	73	99	90	0	6	4	0
QUILLAYUTE	50	40	53	36	45	5	3.5	.3	1.3	26.5	84	14.0	93	98	76	0	0	7	3
SEATTLE-TACOMA	49	41	55	39	45	5	2.7	1.4	1.5	9.7	78	6.0	100	92	67	0	0	7	1
SPOKANE	37	30	42	26	34	7	.6	0	.4	2.6	51	1.6	64	99	84	0	6	6	0
YAKIMA	40	28	47	16	34	4	.8	.5	.3	2.4	86	1.5	107	97	75	0	6	4	0
WV BECKLEY	30	13	46	-3	21	-9	.8	0	.5	6.0	90	3.2	94	92	61	0	7	6	1
CHARLESTON	33	17	49	-2	25	-8	.6	-.2	.2	7.1	105	3.2	91	92	52	0	7	5	0
HUNTINGTON	35	18	51	0	26	-7	.5	-.2	.2	6.0	95	2.5	78	87	51	0	7	5	0
PARKERSBURG	33	17	46	2	25	-5	.1	-.7	.1	5.5	85	1.5	41	85	51	0	7	2	0
WI GREEN BAY	27	9	35	-14	18	4	.2	0	.2	1.0	36	.5	42	94	63	0	7	2	0
LA CROSSE	30	10	39	-9	20	5	.5	.3	.5	1.5	73	1.1	122	88	56	0	7	2	1
MADISON	28	11	34	-9	20	4	.2	0	.2	1.4	52	.7	64	88	55	0	7	3	0
MILWAUKEE	29	15	34	-1	22	3	.3	0	.3	2.3	63	1.2	75	84	52	0	7	3	0
WAUSAU	26	7	32	-14	17	5	.5	.2	.4	1.1	48	.6	67	84	54	0	7	3	0
WY CASPER	42	25	46	18	34	10	.3	.1	.2	1.7	169	1.4	280	80	47	0	6	2	0
CHEYENNE	49	27	56	18	38	12	T	-.1	T	.3	35	.1	25	60	23	0	5	0	0
LANDER	43	20	50	11	32	11	0	-.1	0	1.0	101	.8	160	72	39	0	6	0	0
SHERIDAN	45	24	53	14	35	14	T	-.2	T	.6	43	.5	71	88	46	0	7	1	0
PR SAN JUAN	83	69	87	68	76	0	.4	-.1	.4	4.2	57	1.2	40	90	74	0	0	3	0

Based on 1951-80 normals.

Heating Degree Day Summary Table

HEATING DEGREE DAY DATA WEEKLY SUMMARY
CLIMATE ANALYSIS CENTER-NMC-NWS-NOAA
ASSESSMENT AND INFORMATION SERVICES CENTER-NESDIS-NOAA

LAST DATE OF DATA COLLECTION PERIOD IS 2- 7-1987
ACCUMULATIONS ARE FROM JULY 1
** = NORMAL LESS THAN 100 OR RATIO INCALCULABLE

STATE CITY	CALL	WEEK TOTAL	WEEK DEV FROM NORM	WEEK DEV FROM L YR	CUM TOTAL	CUM DEV FROM NORM	CUM DEV FROM L YR	CUM DEV FROM NORM PRCT	CUM DEV FROM L YR PRCT
AL BIRMINGHAM	BHM	105	-40	55	1806	-156	34	-8	2
AL MOBILE	MOB	69	-29	45	1150	-67	62	-6	6
AL MONTGOMERY	MGM	81	-38	32	1448	-143	1	-9	0
AK ANCHORAGE	ANC	285	-58	34	5681	-1093	-501	-16	-8
AK BARROW	BRW	533	-50	-6	10847	-845	-553	-7	-5
AK FAIRBANKS	FAI	454	-56	81	8258	-1079	-375	-12	-4
AK JUNEAU	JNU	191	-87	-28	4634	-939	-713	-17	-13
AK KODIAK	ADQ	190	-54	-2	4612	-526	-331	-10	-7
AK NOME	OME	341	-85	48	7524	-826	57	-10	1
AZ FLAGSTAFF	FLG	201	-47	-56	4304	72	344	2	9
AZ PHOENIX	PHX	16	-59	-39	633	-376	45	-37	8
AZ PRESCOTT	PRC	145	-44	-41	2848	-98	287	-3	11
AZ TUCSON	TUS	49	-38	-45	1012	-140	134	-12	15
AR WINSLOW	INW	141	-63	-52	3073	-100	193	-3	7
AZ YUMA	YUM	9	-43	-26	494	-224	111	-31	29
AR FORT SMITH	FSM	113	-63	37	2238	-141	-12	-6	-1
AR LITTLE ROCK	LRI	103	-60	46	2117	-55	134	-3	7
CA BAKERSFIELD	BFL	80	-16	-25	1550	94	-17	6	-1
CA EUREKA	EKA	68	-51	-39	2282	-414	-160	-15	-7
CA FRESNO	FAT	78	-36	-13	1481	-293	-27	-17	-2
CA LOS ANGELES	LAX	36	-27	-19	609	-246	54	-29	10
CA SACRAMENTO	SAC	97	-18	0	1665	-108	-80	-6	-5
CA SAN DIEGO	SAN	29	-20	-22	602	-103	85	-15	16
CA SAN FRANCISCO	SFO	75	-25	-6	1602	-235	-53	-13	-3
CA STOCKTON	SCK	95	-21	-8	1677	-85	-166	-5	-9
CO DENVER	DEN	157	-75	-63	3586	-89	-194	-2	-5
CO GRAND JUNCTION	GJT	185	-60	-8	3607	-154	169	-4	5
CO PUEBLO	PUB	157	-67	-51	3552	60	-173	2	-5
CT BRIDGEPORT	BDR	214	-38	-22	3250	23	39	1	1
CT HARTFORD	BDL	234	-39	-33	3872	49	94	1	2
DE WILMINGTON	ILG	211	-24	9	3028	-70	192	-2	7
DC WASHINGTON	DCA	178	-26	6	2662	25	208	1	8
FL APALACHICOLA	AQQ	63	-26	35	697	-291	-185	-29	-21
FL DAYTONA BEACH	DAB	29	-27	18	409	-203	-184	-33	-31
FL FORT MEYER	FMY	4	-31	4	132	-185	-83	-58	-39
FL JACKSONVILLE	JAX	65	-19	48	813	-188	-81	-19	-9
FL KEY WEST	EYW	0	-14	0	22	-64	-45	**	**
FL MIAMI	MIA	4	-17	4	88	-55	-71	-38	-45
FL ORLANDO	MCO	14	-35	10	274	-193	-156	-41	-36
FL TALLAHASSEE	TLH	87	-11	49	1020	-149	-111	-13	-10
FL TAMPA	TPA	11	-38	10	266	-249	-177	-48	-40
FL WEST PALM BEACH	PBI	3	-25	3	115	-71	-91	-38	-44
GA ATLANTA	ATL	107	-47	55	1799	-239	126	-12	8
GA AUGUSTA	AGS	108	-25	54	1518	-247	6	-14	0
GA MACON	MCN	93	-29	45	1456	-136	4	-9	0
GA SAVANNAH	SAV	86	-19	63	1094	-260	-44	-19	-4
HI HILO-HAWAII	ITO	0	0	0	0	0	0	**	**
HI HONOLULU-OAHU	HNL	0	0	0	0	0	0	**	**
HI KAHULUI-MAUI	OGG	1	1	1	1	1	1	**	**
HI LIHUE-KAUAI	LIH	0	0	0	0	0	0	**	**
ID BOISE	BOI	174	-46	-21	3849	195	-949	5	-20
ID LEWISTON	LWS	148	-55	-30	3352	-110	-723	-3	-18
ID POCATELLO	PIH	195	-71	-37	4585	193	-674	4	-13
IL CHICAGO	ORD	203	-89	-23	3758	-250	-581	-6	-13
IL MOLINE	MLI	196	-105	-25	3842	-296	-522	-7	-12
IL PEORIA	PIA	192	-97	-26	3694	-284	-314	-7	-8
IL QUINCY	UIN	179	-94	-25	3515	-203	-262	-5	-7
IL ROCKFORD	RFD	218	-94	-15	4136	-400	-481	-9	-10
IL SPRINGFIELD	SPI	193	-76	-1	3527	-99	-103	-3	-3
IN EVANSVILLE	EVV	176	-53	75	2987	-114	52	-4	2
IN FORT WAYNE	FWA	227	-60	11	3819	-113	-63	-3	-2
IN INDIANAPOLIS	IND	190	-74	23	3493	-107	-22	-3	-1
IN SOUTH BEND	SBN	239	-47	9	3882	-46	-105	-1	-3
IA DES MOINES	DSM	180	-126	-30	3871	-320	-727	-8	-16
IA DUBUQUE	DBQ	217	-122	-35	4359	-238	-839	-6	-16
IA SIOUX CITY	SUX	204	-113	-30	4042	-440	-729	-10	-15
IA WATERLOO	ALO	224	-114	-29	4482	-311	-686	-6	-13
KS CONCORDIA	CNK	160	-101	-42	3273	-350	-460	-10	-12
KS DODGE CITY	DDC	154	-74	-31	3100	-168	-302	-5	-9
KS GOODLAND	GLD	174	-72	-40	3409	-400	-482	-11	-12
KS TOPEKA	TOP	157	-93	-32	3259	-238	-287	-7	-8
KS WICHITA	ICT	135	-94	-16	3128	-26	-70	-1	-2
KY BOWLING GREEN	BWG	153	-56	79	2722	-117	166	-4	6
KY LEXINGTON	LEX	166	-62	76	2972	-120	182	-4	7
KY LOUISVILLE	SDF	159	-61	67	2807	-133	112	-5	4
LA ALEXANDRIA	AEX	55	-52	30	1345	-44	131	-3	11
LA BATON ROUGE	BTR	54	-45	40	1097	-113	74	-9	7
LA LAKE CHARLES	LCH	49	-45	26	1095	-41	96	-4	10
LA NEW ORLEANS	MSY	57	-34	45	1003	-64	70	-6	8
LA SHREVEPORT	SHV	67	-55	26	1648	55	245	3	17
ME CARIBOU	CAR	382	4	-24	6141	305	324	5	6
ME PORTLAND	PWM	274	-33	-37	4444	-17	247	0	6
MD BALTIMORE	BWI	195	-29	8	2932	-28	173	-1	6
MD SALISBURY	SBY	198	-12	39	2697	-45	215	-2	9
MA BOSTON	BOS	223	-27	-35	3417	90	104	3	3
MA CHATHAM	CHH	222	-23	-9	3205	-127	124	-4	4
MI ALPENA	APN	259	-79	-24	4605	-346	-352	-7	-7
MI DETROIT	DTW	231	-57	-9	3793	-231	-219	-6	-5
MI FLINT	FNT	230	-74	-29	4079	-183	-233	-4	-5
MI GRAND RAPIDS	GRR	229	-72	-29	4083	-219	-233	-5	-5
MI HOUGHTON LAKE	HTL	255	-86	-31	4628	-343	-347	-7	-7
MI LANSING	LAN	232	-73	-24	4129	-117	-268	-3	-6
MI MARQUETTE	MQT	277	-91	-45	5558	-138	-462	-2	-8
MI MUSKEGON	MKG	230	-66	-20	4007	-117	-177	-3	-4
MI SAULT ST MARIE	SSM	260	-105	-63	5076	-403	-505	-7	-9
MN ALEXANDRIA	AXH	250	-146	-43	5069	-683	-973	-12	-16
MN DULUTH	DLH	278	-116	-16	5705	-565	-825	-9	-13
MN INT'L FALLS	INL	297	-134	5	6103	-541	-833	-8	-12
MN MINNEAPOLIS	MSP	236	-121	-33	4627	-446	-882	-9	-16
MN ROCHESTER	RST	238	-121	-34	4920	-279	-834	-5	-14
MN SAINT CLOUD	STC	242	-143	-43	5128	-523	-919	-9	-15
MS GREENWOOD	GWO	92	-47	66	1751	-140	133	-7	8
MS JACKSON	JAN	79	-47	49	1539	-125	2	-8	0
MS MERIDIAN	MEI	86	-41	46	1591	-137	1	-8	0
MO CAPE GIRARDEAU	CGI	156	-62	72	2766	-167	101	-6	4
MO COLUMBIA	COU	166	-81	17	3236	-136	-111	-4	-3
MO KANSAS CITY	MCI	159	-93	-30	3276	-170	-386	-5	-11
MO SAINT LOUIS	STL	158	-80	29	3073	-153	96	-5	3
MO SPRINGFIELD	SGF	141	-79	25	2987	-47	18	-2	1
MT BILLINGS	BIL	156	-122	-84	3987	-472	-667	-11	-14
MT GLASGOW	GGW	207	-164	-87	4788	-830	-1254	-15	-21
MT GREAT FALLS	GTF	156	-134	-91	4058	-709	-1111	-15	-21
MT HAVRE	HVR	189	-156	-105	4650	-815	-963	-15	-17
MT HELENA	HLN	201	-94	-55	5069	-13	-740	0	-13

STATE CITY	CALL	WEEK TOTAL	WEEK DEV FROM NORM	WEEK DEV FROM L YR	CUM TOTAL	CUM DEV FROM NORM	CUM DEV FROM L YR	CUM DEV FROM NORM PRCT	CUM DEV FROM L YR PRCT
MT KALISPELL	FCA	256	-35	-10	5150	-83	-659	-2	-11
MT MILES CITY	MLS	178	-149	-72	4340	-676	-893	-13	-17
MT MISSOULA	MSO	240	-38	-5	5025	110	-543	2	-10
NE GRAND ISLAND	GRI	193	-94	-29	3667	-517	-603	-12	-14
NE LINCOLN	LNK	175	-119	-44	3591	-540	-601	-13	-14
NE NORFOLK	OFK	194	-116	-41	3936	-569	-689	-13	-15
NE NORTH PLATTE	LBF	190	-87	-28	3797	-585	-653	-13	-18
NE OMAHA	ON4	179	-110	-46	3717	-313	-662	-8	-15
NE SCOTTSBLUFF	BFF	178	-83	-49	3937	-260	-763	-6	-16
NE VALENTINE	VTN	197	-107	-43	4110	-493	-931	-11	-18
NV ELY	ELY	214	-52	-37	4626	37	19	1	0
NV LAS VEGAS	LAS	81	-38	-13	1612	-156	189	-9	13
NV RENO	RNO	153	-53	-44	3429	-267	-111	-7	-3
NV WINNEMUCCA	WMC	190	-48	-42	3504	-113	-166	-3	-4
NH CONCORD	CON	288	-26	-35	4615	46	171	1	4
NJ ATLANTIC CITY	ACY	211	-20	13	3056	-16	229	-1	8
NM ALBUQUERQUE	ABQ	157	-36	-23	3070	146	457	5	17
NM CLOVIS	CVS	126	-57	-34	2662	-10	89	0	3
NM ROSWELL	ROW	110	-39	-37	2393	185	346	8	17
NY ALBANY	ALB	259	-47	-37	4268	16	74	0	2
NY BINGHAMTON	BGM	252	-56	-29	4193	-210	-143	-5	-3
NY BUFFALO	BUF	239	-55	-18	3878	-162	-17	-4	0
NY NEW YORK	LGA	188	-43	-30	2819	-152	64	-5	2
NY ROCHESTER	ROC	246	-48	-14	4079	71	32	2	1
NY SYRACUSE	SYR	243	-57	-35	4089	17	67	0	2
NC ASHEVILLE	AVL	159	-34	53	2599	-165	57	-6	3
NC CAPE HATTERAS	HAT	130	-10	69	1300	-319	25	-20	2
NC CHARLOTTE	CLT	122	-45	43	2052	-174	63	-8	3
NC GREENSBORO	GSO	159	-30	55	2441	-98	140	-4	6
NC NEW BERN	EWN	128	-22	65	1632	-260	148	-14	10
NC RALEIGH DURHAM	RDU	142	-33	56	2199	-122	160	-5	8
NC WILMINGTON	ILM	115	-18	80	1463	-187	148	-11	11
ND BISMARCK	BIS	210	-172	-81	3064	-669	-935	-12	-16
ND FARGO	FAR	263	-142	-28	3257	-628	-1016	-11	-16
ND GRAND FORKS	GFK	290	-128	-21	5604	-599	-1081	-10	-16
ND WILLISTON	ISN	212	-169	-78	5230	-611	-770	-10	-13
OH AKRON-CANTON	CAK	218	-61	30	3686	-136	-10	-4	0
OH CLEVELAND	CLE	220	-57	23	3561	-189	-131	-5	-4
OH COLUMBUS	CMH	195	-68	43	3325	-256	32	-7	1
OH CINCINNATI	CVG	171	-76	44	3204	-146	34	-4	2
OH DAYTON	DAY	194	-70	28	3454	-128	10	-4	0
OH TOLEDO	TOL	227	-62	-7	3819	-232	-103	-6	-3
OH YOUNGSTOWN	YNG	228	-59	31	3819	-170	34	-4	1
OK OKLAHOMA CITY	OKC	107	-80	15	2505	-7	69	0	3
OK TULSA	TUL	120	-70	17	2569	-36	182	1	8
OR ASTORIA	AST	117	-36	-18	2756	-244	-438	-8	-14
OR BURNS	4BW	218	-16	-9	4634	379	-980	9	-17
OR MEDFORD	MFR	136	-35	-24	2863	-97	-122	-3	-4
OR PENDLETON	PDT	179	-19	7	3520	166	-813	5	-19
OR PORTLAND	PDX	136	-28	-4	2586	-248	-529	-9	-17
OR SALEM	SLE	134	-29	-6	2840	-98	-393	-3	-12
PA ALLENTOWN	ABE	227	-36	-10	3601	-6	184	0	5
PA ERIE	ERI	227	-61	9	3599	-354	68	-9	2
PA HARRISBURG	CXY	218	-29	-11	3432	88	266	3	8
PA PHILADELPHIA	PHL	204	-32	-4	2985	-96	157	-3	6
PA PITTSBURGH	PIT	206	-60	29	3531	-172	80	-5	2
PA SCRANTON	AVP	240	-40	-12	3948	51	205	1	5
RI PROVIDENCE	PVD	225	-24	-12	3513	-51	166	0	5
SC CHARLESTON	CRS	94	-24	64	1214	-256	-17	-17	-1
SC COLUMBIA	CAE	115	-22	59	1683	-120	31	-7	2
SC FLORENCE	FLO	117	-20	89	1612	-128	202	-7	14
SC GREENVILLE	GSP	135	-26	65	2148	-16	147	-1	7
SD ABERDEEN	ABR	220	-152	-81	4775	-666	-1147	-12	-19
SD HURON	HON	203	-151	-90	4451	-696	-1230	-14	-22
SD RAPID CITY	RAP	183	-107	-83	4089	-409	-1030	-9	-19
SD SIOUX FALLS	FSD	214	-133	-63	4520	-499	-1030	-10	-19
TN CHATTANOOGA	CHA	125	-50	45	2114	-289	29	-12	1
TN KNOXVILLE	TYS	147	-32	62	2391	-61	65	-2	3
TN MEMPHIS	MEM	100	-66	61	2086	-101	152	-5	8
TN NASHVILLE	BNA	131	-56	81	2415	-88	178	-4	8
TX ABILENE	ABI	86	-51	9	1716	-51	63	3	9
TX AMARILLO	AMA	140	-53	-30	2936	166	109	6	4
TX AUSTIN	AUS	42	-56	11	1139	-128	131	-10	13
TX BROWNSVILLE	BRO	20	-21	18	518	56	159	12	44
TX CORPUS CHRISTI	CRP	30	-33	23	772	52	171	7	28
TX DEL RIO	DRT	39	-44	15	1079	-72	73	-6	7
TX EL PASO	ELP	121	-9	3	2101	183	209	10	11
TX FORT WORTH	DFW	87	-59	5	1713	95	99	6	6
TX GALVESTON	GLS	40	-43	24	866	-10	141	-1	19
TX HOUSTON	IAH	40	-51	17	1076	-43	196	-4	22
TX LUBBOCK	LBB	124	-47	-2	2422	45	187	2	8
TX MIDLAND ODESSA	MAF	104	-32	18	2012	139	191	7	10
TX BEAUMONT	BPT	37	-53	21	1035	-38	174	-4	20
TX SAN ANGELO	SJT	86	-37	29	1754	98	236	6	16
TX SAN ANTONIO	SAT	49	-43	21	1125	-48	144	-4	15
TX VICTORIA	VCT	34	-45	21	921	-5	169	-1	22
TX WACO	ACT	66	-51	22	1541	41	176	3	13
TX WICHITA FALLS	SPS	97	-59	14	2129	36	90	2	4
UT BLANDING	4BL	188	-53	-26	3776	-52	209	-1	6
UT CEDAR CITY	CDC	181	-47	-47	3860	190	238	5	7
UT SALT LAKE CITY	SLC	188	-46	-15	3791	120	4	3	0
UT BURLINGTON	BTV	295	-48	-76	4687	-127	-27	-3	-1
VA LYNCHBURG	LYH	178	-27	33	2798	8	209	0	8
VA NORFOLK	ORF	163	-12	46	1989	-179	98	-8	5
VA RICHMOND	RIC	182	-14	37	2563	-19	277	-1	12
VA ROANOKE	ROA	162	-41	18	2737	-57	229	-2	9
WA COLVILLE	63S	210	-47	-4	4110	-428	-772	-9	-16
WA QUILLAYUTE	UIL	128	-41	-28	3155	-295	-439	-9	-12
WA SEATTLE-TACOMA	SEA	128	-37	-10	2781	-267	-385	-9	-12
WA SPOKANE	GEG	197	-50	-28	4343	31	-720	1	-14
WA WALLA WALLA	ALW	177	-12	12	3315	206	-759	7	-19
WA YAKIMA	YKN	196	-28	2	3956	57	-850	1	-18
WV BECKLEY	BKW	199	-43	80	3309	-201	185	-6	6
WV CHARLESTON	CRW	179	-41	100	2922	-108	435	-4	17
WV HUNTINGTON	HTS	171	-49	88	2898	-128	252	-4	10
WV PARKERSBURG	PKB	184	-48	61	3143	-13	164	0	6
WI GREEN BAY	GRB	249	-99	-23	4669	-318	-560	-6	-11
WI LACROSSE	LSE	232	-108	-21	4427	-345	-799	-7	-15
WI MADISON	MSN	224	-109	-29	4440	-337	-642	-7	-13
WI MILWAUKEE	MKE	216	-96	-22	4031	-387	-490	-9	-11
WI WAUSAU	AUW	255	-110	-21	4920	-394	-675	-7	-12
WY CASPER	CPR	218	-63	-36	4549	-76	-419	-2	-8
WY CHEYENNE	CYS	182	-77	-67	4224	-94	-260	-2	-6
WY LANDER	LND	223	-71	-63	5016	128	-517	3	-9
WY SHERIDAN	SHR	191	-101	-67	4430	-394	-578	-8	-12

January Weather and Crop Summary

WEATHER SUMMARY

HIGHLIGHTS: Ii was a stormy month along the east coast. A series of storms moved through the Southeast and up the east coast triggering moderate to heavy precipitation. Early in the month moderate rain was accompanied but unusually high tides which resulted in beach erosion and flooding. Later, with the advent of colder weather, heavy snow fell through the Appalachians and from Virginia and Maryland northward. Another storm track during the month was from northwestern Texas and Oklahoma through the eastern Great Lakes. The heaviest precipitation from these storms was from Texas to Missouri where precipitation was well above normal. Just after midmonth, an arctic outbreak pushed through the West and brought well below freezing temperatures to the usually balmy areas in southern California and the Southwest. Severely cold weather pushed through the Great Lakes near the end of the month and covered most of the East. Average temperatures were unusually mild in the northern Great Plains.

In the first three days of the month rain fell all along the east coast accompanied by unusually high tides.

FIRST WEEK...Rain fell along the Northwest coast and then over the Southwest, covering much of California. Snow fell at higher elevations and spread over most of the West. Later in the week a storm developed in the central Plains and spread heavy snow northeastward and showers across the South. Freezing rain covered the east coast from the Mid-Atlantic region northward. Average temperatures were warmer than normal in much of the Nation and very mild in the northern Great Plains.

SECOND WEEK...Unusually warm weather persisted in the Great Plains until midweek, then an arctic outbreak pushed southward through the West and the Plains. Freezing temperatures reached nearly all of California and the Southwest. A storm developed in the Southwest, ahead of the cold air, and spread snow from Arizona and Utah, through western Texas and the central Plains, to the Great Lakes and Ohio Valley. Freezing rain preceded the snow from western Texas to parts of the Ohio Valley. Moderate to heavy rain spread from eastern Texas to Georgia and the Carolina coasts. Lighter rain fell in the Mid-Atlantic States while snow covered the Northeast.

THIRD WEEK...Temperatures dropped well below freezing for the second morning in a row throughout southern California. An early week storm dropped rain in the Southeast and snow or freezing rain from the Mid-Atlantic States northward. After midweek, another storm dropped heavy snow through the Appalachians and from Virginia to southern New England. As the week ended another threatening storm developed in Arkansas and spread snow, sleet, or freezing rain from Arkansas to the Ohio Valley and thunderstorms from the lower Mississippi Valley into Georgia.

FOURTH WEEK...A storm moved across the South triggering showers and thunderstorms. It then dropped heavy snow over the southern and central Appalachians and from eastern Kentucky through Maryland. Some parts of western Virginia and much of Maryland accumulated as much as 20 inches of snow on the ground. Another storm spread a mixture of snow, sleet, and freezing rain from the lower Missouri Valley through the Ohio Valley and eastern Great Lakes to southern New England. Severely cold weather pushed through the Great Lakes, at midweek, and covered most of the East. Freezing temperatures dipped into northern Florida on two mornings.

WINTER WHEAT

Winter wheat was mostly good to fair during January. Above-normal temperatures melted snow cover in the central and northern Great Plains and northern Rockies, leaving winter wheat vulnerable to freeze damage during most of the month. Towards the end of the month, snow cover protection vanished in the western and southernmost Corn Belt. Despite the above-normal temperatures wheat remained dormant. Low moisture restricted growth in some areas. Freeze damage has been light but increased somewhat at months' end. However, temperatures fell to single digits several times during the month causing concern about freeze damage. Cold, wet weather slowed growth in the southern Great Plains during most of the month. Wheat began greening in Texas at months' end. Seeding continued in the Southeast and Southwest most of the month. Wetness hampered seeding in the Southeast while dryness curtailed seeding in California. Cool, dry weather slowed growth in California the second half of the month.

Crop Production Highlights

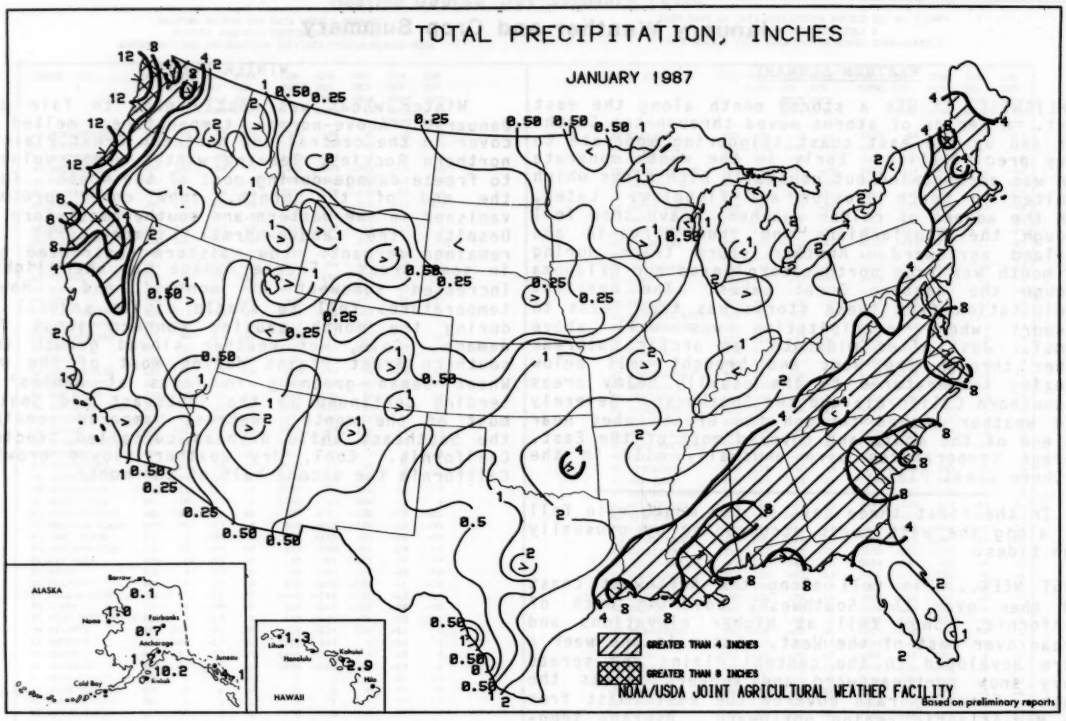
CITRUS production is forecast at 12.2 million tons, down 1 percent from January 1 but 12 percent higher than last season.

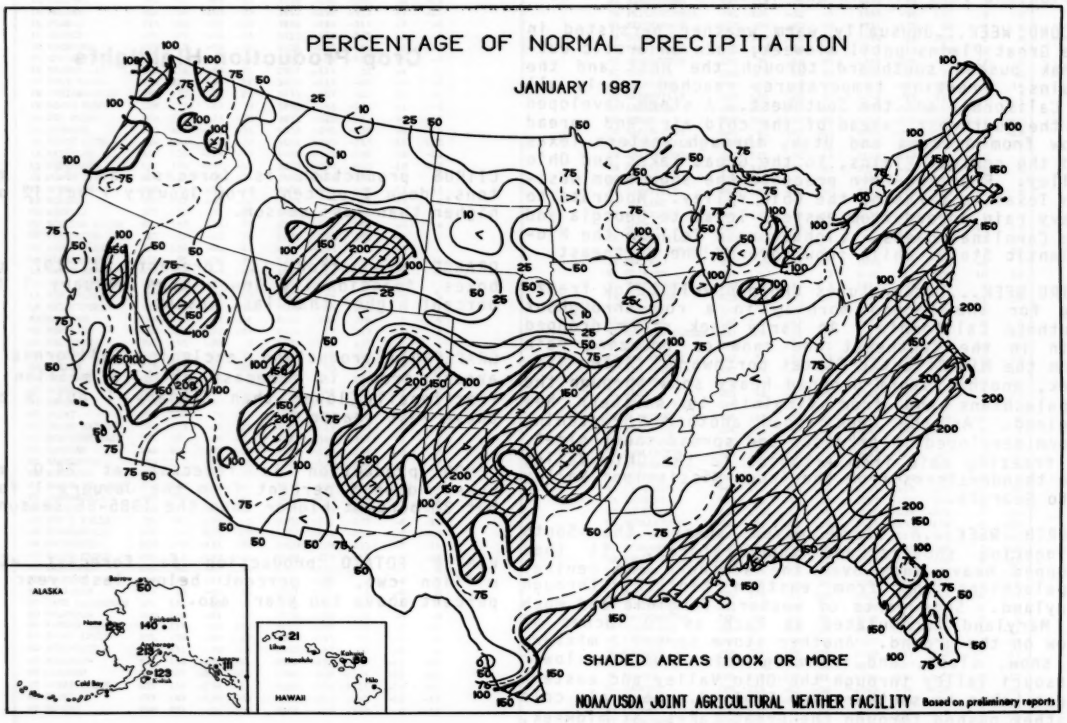
ORANGE production is forecast at 197 million boxes, fractionally lower than January 1 but 12 percent higher than last season.

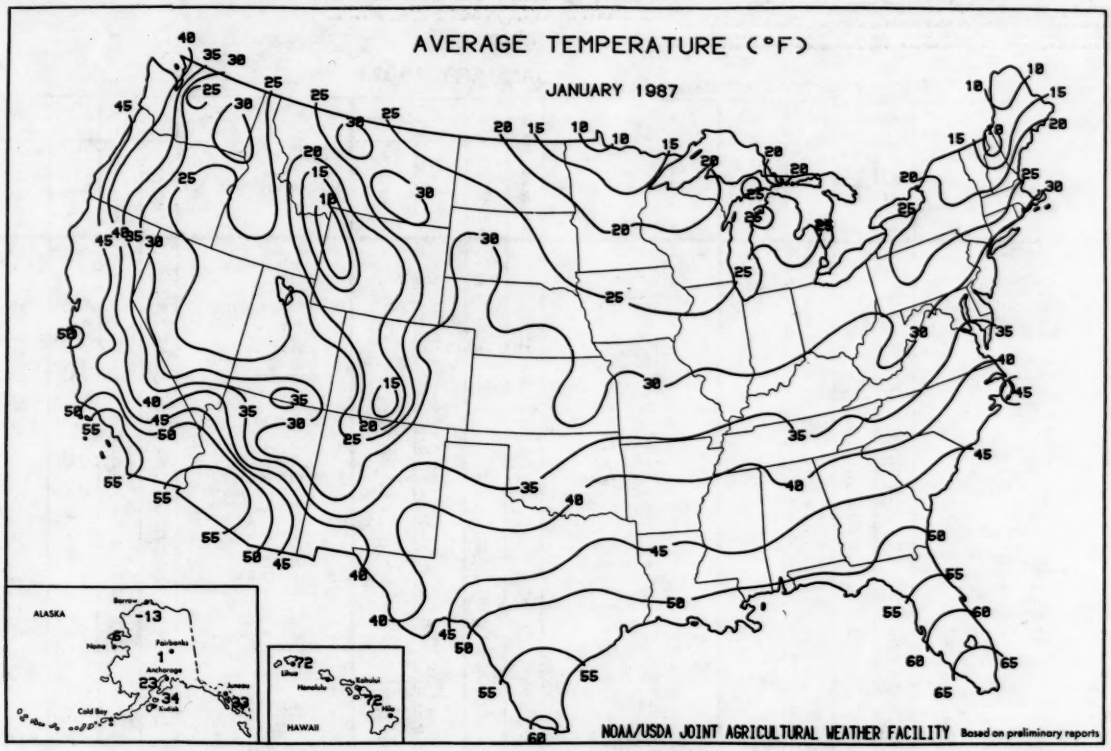
GRAPEFRUIT production, excluding California "other areas" crop, is forecast at 57.5 million boxes, fractionally lower than January 1 but 9 percent above last season.

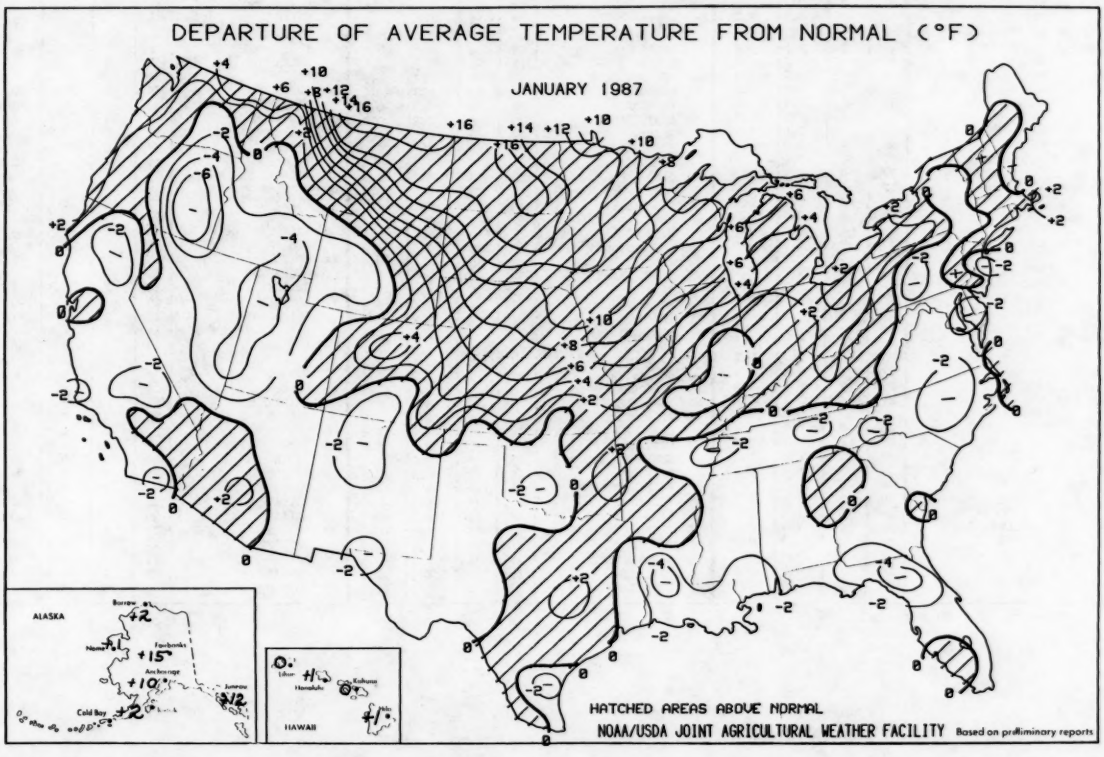
LEMON production is forecast at 24.0 million boxes, down 5 percent from the January 1 forecast but 31 percent higher than the 1985-86 season.

WINTER POTATO production is forecast at 2.76 million cwt, 8 percent below last year but 3 percent above two years ago.


TOTAL PRECIPITATION, INCHES
JANUARY 1987
GREATER THAN 4 INCHES
GREATER THAN 8 INCHES
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports
ALASKA
HAWAII


PERCENTAGE OF NORMAL PRECIPITATION
JANUARY 1987
SHADED AREAS 100% OR MORE
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports
ALASKA
HAWAII


AVERAGE TEMPERATURE (°F)
JANUARY 1987
ALASKA
HAWAII
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports


DEPARTURE OF AVERAGE TEMPERATURE FROM NORMAL (°F)
JANUARY 1987
ALASKA
HAWAII
HATCHED AREAS ABOVE NORMAL
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports

Temperature and Precipitation Data for JANUARY 1987

States and Stations	Temperature °F Average	Temperature °F Departure	Precipitation Inches Total	Precipitation Inches Departure
AL BIRMINGHAM	42	-1	5.8	0.6
MOBILE	49	-2	5.8	1.2
MONTGOMERY	45	-1	7.8	3.6
AK ANCHORAGE	23	10	1.7	0.9
BARROW	-13	2	0.1	-0.1
FAIRBANKS	1	15	0.7	0.1
JUNEAU	33	12	4.1	0.4
KODIAK	34	2	10.0	1.9
NOME	6	1	0.9	0.1
AZ FLAGSTAFF	28	0	2.5	0.4
PHOENIX	55	3	0.7	-0.1
PRESCOTT	37	1	1.2	-0.6
TUCSON	51	0	0.6	-0.3
WINSLOW	30	-2	1.2	0.8
YUMA	56	0	0.1	-0.3
AR FORT SMITH	40	2	2.5	0.6
LITTLE ROCK	41	1	1.5	-2.2
CA BAKERSFIELD	45	-3	1.6	0.6
EUREKA	49	2	6.5	-0.5
FRESNO	46	0	1.9	-0.1
LOS ANGELES	55	-1	1.3	-1.8
REDDING	44	-4	7.0	-1.5
SACRAMENTO	45	0	2.3	-1.7
SAN DIEGO	56	-1	1.6	-0.5
SAN FRANCISCO	49	1	2.8	-1.9
STOCTON	45	0	2.0	-1.0
CO DENVER	32	3	0.7	0.2
GRAND JUNCTION	28	2	0.3	-0.3
PUEBLO	30	0	0.7	0.4
CT BRIDGEPORT	30	1	4.8	1.5
HARTFORD	25	0	6.2	2.7
DC WASHINGTON	34	-1	4.9	2.1
FL APALACHICOLA	53	0	6.0	2.5
DAYTONA BEACH	56	-2	2.2	-0.2
FT. MYERS	64	1	2.3	0.4
JACKSONVILLE	51	-2	4.1	1.0
KEY WEST	69	0	0.9	-0.9
MIAMI	66	-1	0.9	-1.2
ORLANDO	59	-1	1.3	-0.8
TALLAHASSEE	49	-3	6.5	1.8
TAMPA	59	-1	3.3	1.1
WEST PALM BEACH	64	-1	1.2	-1.5
GA ATLANTA	42	0	5.6	0.7
AUGUSTA	44	-1	8.9	4.9
MACON	45	-1	6.9	2.7
SAVANNAH	49	0	8.6	5.5
HI HILO	72	1	8.5	-0.9
HONOLULU	73	1	0.4	-3.4
KAHULUI	72	0	2.9	-1.3
LIHUE	72	0	1.3	-4.9
ID BOISE	28	-2	0.8	-0.9
LEWISTON	32	0	0.6	-0.8
POCATELLO	19	-4	1.0	-0.1
IL CAIRO	35	0	0.9	-2.6
CHICAGO	26	5	1.7	0.1
MOLINE	25	6	0.9	-0.7
PEORIA	25	4	1.5	-0.1
QUINCY	27	3	1.5	0.2
ROCKFORD	23	5	0.9	-0.5
SPRINGFIELD	26	1	1.5	-0.1
IN EVANSVILLE	32	2	0.8	-2.2
FORT WAYNE	25	1	2.1	0.0
INDIANAPOLIS	27	1	1.6	-1.1
SOUTH BEND	25	2	2.3	-0.2
IA DES MOINES	27	8	0.4	-0.6
DUBUQUE	23	7	0.8	-0.6
SIOUX CITY	27	11	0.2	-0.4
WATERLOO	22	8	0.5	-0.3
KS CONCORDIA	32	7	0.6	-0.1
DODGE CITY	33	3	0.6	0.1
GOODLAND	32	5	0.3	0.0
TOPEKA	30	4	1.1	0.2
WICHITA	29	0	1.4	0.7
KY BOWLING GREEN	34	0	1.6	-3.0
JACKSON	33	2	2.7	-1.2
LEXINGTON	32	0	1.3	-2.3
LOUISVILLE	34	1	0.8	-2.6
PADUCAH	33	0	1.0	-2.7
LA ALEXANDRIA	47	-5	4.4	-0.3
BATON ROUGE	49	-2	7.1	2.5
LAKE CHARLES	49	-2	6.8	2.5
NEW ORLEANS	50	-2	8.8	3.9
SHREVEPORT	45	-1	2.3	-1.8
ME CARIBOU	10	-1	2.3	-0.1
PORTLAND	21	0	5.2	1.4
MD BALTIMORE	32	0	5.9	2.9
SALISBURY	34	-1	7.7	4.3
MA BOSTON	29	-1	7.3	3.4
CHATHAM	33	2	5.9	1.6
MI ALPENA	23	6	0.9	-0.7
DETROIT	26	3	2.4	0.5
FLINT	25	3	1.2	-0.4
GRAND RAPIDS	25	3	0.7	-1.2
HOUGHTON LAKE	22	5	1.1	-0.4
LANSING	25	3	1.0	-0.7
MARQUETTE	18	6	1.4	-0.6
MUSKEGON	26	3	1.5	-0.9
SAULT STE. MARI	20	7	1.8	-0.4
MN ALEXANDRIA	18	13	0.7	-0.1
DULUTH	15	9	0.7	-0.6
INT'L FALLS	11	11	0.3	-0.6
MINNEAPOLIS	21	10	0.6	-0.2
ROCHESTER	19	8	0.6	-0.1
ST. CLOUD	18	11	0.4	-0.4
MS GREENWOOD	43	-1	3.3	-1.8
JACKSON	44	-1	4.7	-0.3
MERIDIAN	44	-1	8.8	3.8
MO COLUMBIA	30	2	2.1	0.5
KANSAS CITY	30	4	0.8	-0.3
SAINT LOUIS	31	2	2.0	0.3
SPRINGFIELD	33	1	2.1	0.5
MT BILLINGS	30	10	0.1	-0.9
GLASGOW	24	16	0.1	-0.4
GREAT FALLS	32	14	0.1	-1.0
HAVRE	27	16	T	-0.6
HELENA	23	5	0.0	-0.7
KALISPELL	21	2	0.7	-1.0
MILES CITY	28	14	0.1	-0.5
MISSOULA	21	-1	0.3	-1.1
NE GRAND ISLAND	30	10	0.1	-0.5
LINCOLN	30	10	0.1	-0.6
NORFOLK	27	10	0.3	-0.2
NORTH PLATTE	30	8	0.2	-0.2
OMAHA	29	10	T	-0.7
SCOTTSBLUFF	29	5	0.3	-0.1
VALENTINE	29	10	0.1	-0.2
NV ELKO	22	-3	0.5	-0.7
ELY	21	-3	0.8	0.0
LAS VEGAS	45	0	1.2	0.7
RENO	32	0	0.5	-0.7
WINNEMUCCA	27	-3	0.5	-0.4
NH CONCORD	20	0	3.0	0.2
NJ ATLANTIC CITY	32	0	6.3	2.8
NM ALBUQUERQUE	32	-2	0.7	0.3
CLOVIS	38	0	0.4	-0.1
ROSWELL	40	-2	0.5	0.3
NY ALBANY	22	0	4.2	1.8
BINGHAMTON	23	2	3.0	0.5
BUFFALO	26	3	2.9	-0.1
NEW YORK	33	1	5.4	2.3
ROCHESTER	25	1	1.9	-0.5
SYRACUSE	24	1	3.0	0.4
NC ASHEVILLE	35	-2	3.5	0.0
CHARLOTTE	40	-1	4.8	1.0
GREENSBORO	36	-1	3.8	0.3
HATTERAS	46	1	10.6	5.9
NEW BERN	43	-1	7.0	3.0
RALEIGH	38	-2	6.5	3.0
WILMINGTON	45	-1	6.5	2.9
ND BISMARCK	22	15	0.1	-0.4
FARGO	18	14	0.3	-0.3
GRAND FORKS	15	13	0.5	-0.3
WILLISTON	21	14	0.3	-0.2
OH AKRON-CANTON	27	2	2.1	-0.5
CINCINNATI	30	1	0.9	-2.2
CLEVELAND	27	2	2.0	-0.5
COLUMBUS	30	3	1.1	-1.6
DAYTON	28	1	1.1	-1.5
TOLEDO	26	3	1.9	-0.1
YOUNGSTOWN	26	2	1.8	-0.9
OK OKLAHOMA CITY	35	-1	2.5	1.6
TULSA	36	1	2.2	0.9
OR ASTORIA	44	3	10.4	-0.9
BURNS	20	-8	1.3	-0.3
MEDFORD	38	1	2.9	-0.5
PENDLETON	30	-2	1.5	-0.3
PORTLAND	40	1	6.9	0.8
SALEM	40	0	7.6	0.6
PA ALLENTOWN	28	1	3.9	0.5
ERIE	28	3	2.2	-0.3
HARRISBURG	30	1	3.7	0.7
PHILADELPHIA	32	1	4.6	1.4
PITTSBURGH	28	1	2.2	-0.6
SCRANTON	25	-1	2.6	0.3
RI PROVIDENCE	29	0	4.7	0.7
SC CHARLESTON	47	-1	7.2	3.9
COLUMBIA	43	-1	8.3	4.0
FLORENCE	44	-1	5.7	2.2
GREENVILLE	39	-2	4.6	0.4
SD ABERDEEN	23	15	0.1	-0.4
HURON	25	14	0.2	-0.3
RAPID CITY	31	10	T	-0.4
SIOUX FALLS	24	12	0.2	-0.4
TN CHATTANOOGA	39	0	6.4	1.2
KNOXVILLE	37	-2	4.7	0.0
MEMPHIS	40	0	1.8	-2.9
NASHVILLE	36	-1	1.6	-2.9
TX ABILENE	44	0	0.5	-0.4
AMARILLO	34	-1	1.3	0.8
AUSTIN	51	2	0.9	-0.7
BEAUMONT	51	-1	8.1	3.9
BROWNSVILLE	59	-1	2.5	1.2
CORPUS CHRISTI	55	-1	2.2	0.6
DEL RIO	51	0	0.2	-0.4
EL PASO	41	-3	0.3	-0.1
FORT WORTH	44	0	1.2	-0.4
GALVESTON	53	0	3.9	1.0
HOUSTON	51	0	2.4	-0.8
LUBBOCK	38	-1	0.5	0.2
MIDLAND	43	-1	0.1	-0.3
SAN ANGELO	45	-1	0.7	0.0
SAN ANTONIO	51	0	1.1	-0.4
VICTORIA	53	0	2.4	0.6
WACO	46	0	1.3	-0.4
WICHITA FALLS	39	-1	1.8	0.8
UT BLANDING	29	1	1.2	-0.2
CEDAR CITY	27	-3	0.4	-0.2
MILFORD	23	-3	0.4	-0.3
SALT LAKE CITY	26	-2	1.5	0.1
VT BURLINGTON	18	1	1.9	0.1
VA NORFOLK	40	0	9.9	6.2
RICHMOND	35	-2	5.5	2.3
ROANOKE	34	-2	4.5	1.7
WA COLVILLE	29	4	1.6	-0.7
QUILLAYUTE	42	3	14.0	-1.0
SEATTLE-TACOMA	41	2	6.0	-0.1
SPOKANE	27	1	1.6	-0.9
WALLA WALLA	32	-2	2.7	0.6
YAKIMA	28	0	1.5	0.0
WV BECKLEY	29	-1	3.2	-0.2
CHARLESTON	33	0	3.2	-0.3
ELKINS	28	0	4.0	0.6
HUNTINGTON	33	0	2.5	-0.8
PARKERSBURG	31	0	1.5	-2.2
WI GREEN BAY	22	8	0.5	-0.7
LA CROSSE	21	7	1.1	0.2
MADISON	23	7	0.7	-0.4
MILWAUKEE	25	6	1.2	-0.4
WAUSAU	20	9	0.6	-0.3
WY CASPER	23	1	1.4	0.9
CHEYENNE	29	3	0.1	-0.3
LANDER	17	-3	0.8	0.3
SHERIDAN	27	7	0.5	-0.3
PR SAN JUAN	77	0	1.2	-1.8

Based on 1951-80 normals.

Heating Degree Days (Base 65° F.)

JANUARY 1987

ALA. Birmingham	696	MAINE, Caribou.	1704	OKLA. Okla. City	918
Mobile	500	Portland	1336	Tulsa	893
Montgomery	599	MD. Baltimore	1002	OREG. Astoria	654
ALASKA, Anchorage	1303	MASS. Boston	1112	Burns	1401
Barrow	2424	Chatham	1001	Medford	825
Fairbanks	1994	MICH. Alpena	1289	Pendleton	1065
Nome	1837	Detroit.	1198	Portland	780
ARIZ. Flagstaff	1150	Flint	1242	Salem	781
Phoenix	318	Grand Rapids	1220	PA. Allentown	1143
Tucson	429	Houghton Lake	1336	Erie	1138
Winslow	1075	Lansing	1240	Harrisburg	1080
Yuma	339	Marquette	1450	Philadelphia	1017
ARK. Fort Smith	779	S. Ste. Marie	1386	Pittsburgh	1139
Little Rock	750	MINN. Duluth	1537	Scranton	1243
CALIF. Bakersfield.	613	Internatl Falls	1670	R.I. Providence	1111
Eureka	487	Minneapolis	1352	S.C. Charleston	544
Fresno	602	Rochester	1411	Columbia	657
Los Angeles	306	St. Cloud	1454	Greenville	786
Red Bluff	664	MISS. Jackson	632	S. DAK. Aberdeen	1303
Stockton	615	Meridian	644	Huron	1235
San Diego	291	MO. Columbia	1093	Rapid City	1045
San Francisco	477	Kansas City	1088	Sioux Falls	1265
COLO. Denver.	1012	St. Louis	1062	TENN. Chattanooga	789
Grand Junction	1159	Springfield	998	Knoxville	863
Pueblo	1082	MONT. Billings	1070	Memphis	781
CONN. Bridgeport	1077	Glasgow	1262	Nashville	889
Hartford	1230	Great Falls	1004	TEX. Abilene	663
D.C. Washington	931	Havre	1161	Amarillo	954
FLA. Apalachicola	---	Helena	1288	Austin	434
Ft. Myers	---	Kalispell	1360	Beaumont	451
Jacksonville	401	Miles City	1156	Brownsville	192
Key West	24	Missoula	1371	Corpus Christi	298
Miami	83	NEBR. Grand Island.	1069	Del Rio	414
Orlando	216	Lincoln	1090	El Paso	725
W. Palm Beach	104	Norfolk	1161	Fort Worth	631
Tallahassee	487	North Platte	1093	Galveston	345
Tampa	202	Omaha	1103	Houston	421
GA. Atlanta	709	Valentine	1126	Lubbock	822
Augusta	625	NEV. Ely	1340	Midland	689
Macon	597	Las Vegas	622	San Angelo	615
Savannah	491	Reno	1028	San Antonio	443
IDAHO, Boise	1149	Winnemucca	1181	Victoria	360
Lewiston	1016	N.H. Concord	1390	Waco	583
Pocatello	1410	N.J. Atlantic City.	1023	Wichita Falls	791
ILL. Cairo	926	N. MEX. Albuquerque	1004	UTAH, Milford	---
Chicago	1205	N.Y. Albany	1332	Salt Lake City	1186
Moline	1227	Binghamton	1284	VT. Burlington	1446
Peoria	1228	Buffalo	1199	VA. Lynchburg	957
Rockford	1290	New York	995	Norfolk	779
Springfield.	1199	Rochester	1223	Richmond	931
IND. Evansville	1007	Syracuse	1270	Roanoke	950
Fort Wayne	1043	N.C. Asheville	913	WASH. Colville	1118
Indianapolis	1150	Charlotte	767	Quillayute	712
South Bend	1224	Greensboro	880	Seattle-Tacoma	754
IOWA, Des Moines	1184	Hatteras	581	Spokane	1186
Dubuque	1292	Raleigh	820	Walla Walla	1002
Souix City	1178	Wilmington	615	Yakima	1133
KANS. Concordia	1027	N. DAK. Bismarck	1332	W. VA. Beckley	1089
Dodge City	987	Fargo	1447	Charleston	989
Goodland	1026	Williston	1369	Huntington	980
Topeka	1084	OHIO. Akron-Canton.	1178	WIS. Green Bay	1341
Wichita	1099	Cinncinnati	1058	Madison	1309
KY. Lexington	1016	Cleveland	1158	Milwaukee	1242
Louisville	962	Columbus	1083	WYO. Casper	1293
LA. Baton Rouge	490	Dayton	1134	Cheyenne	1102
Lake Charles	480	Toledo	1209	Lander	1486
New Orleans	464	Youngstown	1201	Sheridan	1177
Shreveport	618				

National Agricultural Summary

February 2 to 9, 1987

HIGHLIGHTS: Snow cover vanished from the Great Plains, Rocky Mountain States and most of the Corn Belt, leaving small grains vulnerable to freeze damage. Above-normal temperatures have kept damage to a minimum but soil moisture in most of the central and northern Great Plains is becoming short. Rain interrupted cotton harvest in Oklahoma and Texas. Precipitation slowed fieldwork in the Southeast, but land preparation was active in the Southwest. Fruit tree pruning was active in most areas of the Nation. Fruit tree buds were swelling as far north as Arkansas. Livestock was mostly good.

SMALL GRAINS: Most wheat and small grains in the Great Plains, Rocky Mountain States and in the Corn Belt lacked proper snow cover protection. However, above-normal temperatures have kept winter damage to a minimum. Winter wheat was mostly good to fair. The warm weather increased the potential for severe rust problems in southwestern Arkansas. Georgia's small grains were topdressed. Crop condition ranged from poor to good, but was mostly good. Kansas wheat was mostly dormant, but some fields showed signs of greening. Winter wheat was susceptible to winterkill in the southern Lower Peninsula of Michigan. Snow covered wheat in the Upper and northern Lower Peninsula. Wind damage to Montana's wheat has been moderate to light, thus far. Unseasonably warm weather aided fall seeded grains in North Dakota. Ohio's wheat was exposed to cold winds, which may cause some leaf burn. Wheat grew well in Oklahoma. Extremely late planted wheat was not stooling properly. In Texas, small grains responded favorably to moisture and warm weather. Growth was slow, but most fields showed improvement with some small grains reaching the jointing stage. Topdressing continued in the Blacklands and central areas of Texas. Insects and diseases increased along with the warmer temperatures. Small grains grew well in Oregon's Willamette Valley. Small grains were drought-stressed in many areas of California. Where possible, growers irrigated to ensure stands; some acreage was replanted in Fresno County. Small grain seeding continued in California. Wheat and barley seeding reached 98 percent (%) completion in Arizona. Both crops were good to excellent and irrigation and fertilization were underway.

COTTON: In Texas, cotton harvest made some progress until cold, rainy weather stalled harvest. At the end of the week, harvest was 94% finished and should be complete within a week, if good weather prevails. Oklahoma's cotton harvest advanced 10 points to 80% completion. Some low-lying fields still have standing water. Cotton stalk shedding and plowdown continued, but on a very limited scale in Arizona.

OTHER CROPS: Spring cropland preparation moved ahead in Arizona. Early corn was seeded in western Arizona. Some wild rice and sugarbeets were seeded in California. Farming activity was limited mostly to spreading fertilizer in the Corn Belt and in the Midwest. Farmers were chiseling in northwestern Kansas to prevent soil blowing.

Tobacco plants made good progress in Florida. Wet fields delayed land preparation.

FRUIT AND NUTS: Fruit tree pruning was active throughout the Nation. Fruit buds began swelling in Arkansas. In California, winter pruning neared completion. Early table grapes entered the bud break stage. Early peaches and almonds began blooming. Citrus freeze damage was mostly exterior. Grapefruit, lemon, navel orange, and tangerine harvests continued. Arizona's valencia orange harvest gained momentum. Fruit quality was fair to good. Low demand slowed citrus harvest in Texas. Peach trees were budding in many areas. Wet, windy, and cool weather prevailed over Florida's citrus producing areas. All types of citrus had good color and fruit droppage was not excessive. Early and midseason orange harvest slowed but grapefruit movement was active. Temple harvest increased for fresh market demand.

VEGETABLES: Heavy rain improved vegetable crop condition in Florida. Spring planting and winter harvest were active. Volume leaders were tomatoes, celery, cabbage, and peppers. Good quantities of most were available. Early winter potato volume increased. Carrots, cabbage, lettuce, celery, and greens were harvested in the Rio Grande Valley and San Antonio-Winter Garden area. Seasonal packing of winter vegetables continued in Arizona. Lettuce, cauliflower, broccoli, asparagus, and mixed vegetables were shipped. Spring lettuce, watermelons, cantaloups, honeydews, and mixed melons were planted. Spring planted lettuce was cultivated and sidedressed. California's asparagus harvest increased slightly in the desert. Broccoli and cauliflower harvests were active in the desert but were light in other areas. Celery progressed well along the south coast. Lettuce harvest was heavy in the Imperial Valley.

PASTURES AND LIVESTOCK: Livestock was mostly good. Livestock was moved off small grain pastures in Texas. Lambing and calving was active in most areas. Severe weather caused calf and lamb losses in Virginia. Pastures were mostly fair. Dryness plagued growth, especially in California.

State Summaries of Weather and Agriculture

These summaries provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by NASS State Statistical Offices in cooperation with the National Weather Service.

ALABAMA: Rainfall totals 1.00 to 2.00 in. common southern two-thirds; less than 0.25 in. extreme north. Temperatures averaged 3 to 5° above normal north, central; 1 to 2° above normal near coast.

Soil moisture adequate. Livestock, poultry mostly good.

ARIZONA: Sunny days, clear nights, warming trend 2nd. Weak Pacific storm moved in late 3rd, 4th. Snow level to 6,000 ft. Central mountains received 0.50 to 3.00 in. new snow, light rain from traces to 0.10 in. elsewhere. Strong high pressure returned 5th, 6th. Temperatures reached 50s high country, 60s at 5,000 ft., 70s and low 80s lower deserts. Strong gusty winds general over southern part of State 6th, 7th. Mid and high level cloudiness increased 7th in advance of next storm. Average temperatures 4 to 8° above normal.

Wheat, barley 98% planted, 100% 1986, 99% avg. Stands established 89%. Both crops good to excellent. Irrigation, fertilization underway. Spring cropland preparation moved ahead. Cotton stalk shredding, plowdown continued, very limited scale. Light alfalfa cutting performed. Green chopping continued. Favorable weather aiding new alfalfa growth, established hay stands good. Sheep grazing moderate. Early corn planted west. Valencia orange harvest gained momentum, fruit quality fair to good. Other citrus picked. Pecan shipping continued. Apple pruning advanced. Seasonal packing of winter vegetables continued. Crops shipped included lettuce, cauliflower, broccoli, asparagus, mixed vegetables. Spring vegetable planting moved ahead, including lettuce, watermelons, cantaloups, honeydews, mixed melons. Established lettuce stands cultivated, sidedressed.

ARKANSAS: Warm weather of previous week continued. Temperatures slowly climbed higher. Two weak systems passes through 2nd and 6th bringing light to moderate rainfall to all sections. Temperature extremes 23°; 72°. Rainfall 0.21 to 2.63 in.

Continued warm weather increased potential for severe rust problem, especially in southwest. Fruit buds swelling.

CALIFORNIA: Fairly strong Pacific weather system moved through northern, central area beginning of week. Many locations received heaviest rainfall totals of year with storm. Rain amounts ranged from 0.50 to 1.50 in. lowlands north of Merced. Snowfall Sierra varied from 1 to 2 ft. Warm, dry conditions returned midweek as strong high pressure reasserted itself.

Open weather most of week permitted field operations, good progress. Sugarbeet harvest normal. Good progress seeding new alfalfa. Small grains drought stress many areas. Some replanted Fresno County. Growers irrigated where possible to insure stand. Seeded some wild rice, other small grains, sugarbeets. Preplant irrigation, fertilization, weed control active spring seeded crop fields. Winter pruning neared completion. Early table grapes entered bud break stage. Early peach, almond orchards began bloom. Movement bees into almond orchards continued. Citrus freeze damage noticed, mostly exterior. Harvest continued grapefruit, lemons, Navel oranges, tangerines. Artichokes light supply. Asparagus harvest increased slightly desert. Broccoli harvest light central coast, San Joaquin Valley, active desert. Cauliflower harvest active desert, fairly light other areas. Celery harvest active south coast. Lettuce harvest fairly heavy Imperial Valley, light Palo Verde Valley. Strawberry harvest light south coast. Planting processed tomatoes active. Recent rains warm days improved range, pasture conditions. More moisture needed for continued improvement. Supplemental feeding continued most districts. Stock water supplies remain low levels. Calving, lambing active northern areas. Sheep continued grazing crop residue.

COLORADO: Temperatures 8 to 11° above normal for most of State. Precipitation amounts very small. Mountains and west slope 0.10 to 0.30 in., traces east. Winds less than 15 mph. most areas.

Above seasonal temperatures allowing livestock to maintain good condition. Winter wheat doing well.

FLORIDA: Warm, then slightly cooler at weekend. Rains latter half of week ended all areas by morning of 8th. Rainfall mostly under 0.25 in. central, 1.00 to 2.00 in. or more elsewhere. Temperatures above normal south, near normal central, slightly below normal north.

Soil moisture adequate south, central; surplus north, Panhandle. Wet fields delayed land preparation. Tobacco plants good progress. Pine tree planting continued, some replanting necessary because of standing water. Sugarcane harvest active, on schedule. Panhandle, northern, central Peninsula pastures poor to fair; southern Peninsula fair to good. Cattle fair to good. Wet, windy, cool weather, good rains all citrus areas. Good fruit color all types. Fruit droppage not excessive. Early, midseason orange harvest slowed. Grapefruit movement active. Temple harvest increased for fresh markets. Caretakers active all areas. Generally mild temperatures vegetable producing areas. Scattered to moderately heavy rain midweek except extreme southeast. Crop conditions generally improved. Harvest winter acreage continued active. Planting spring crops active. Volume leaders: Tomato, celery, cabbage, peppers. Good quantities also available: Snap beans, carrots, sweet corn, cucumbers, lettuce, radishes, squash, strawberries. Early winter potato volume increased.

GEORGIA: Temperatures 2° above normal south, 5° above normal north. Extremes 71° number of locations to 19° Blairsville morning of 9th. Rainfall totals 1.00 in. with few locations 2.00 in. Rain 3 to 5 days.

Soil moisture adequate north, north central; surplus central, southeast, southwest. Main activities harvesting cotton, pecans, soybeans, land preparation, tobacco bed preparation, small grain topdressing. Small grains poor to good, mostly good. Pastures poor to good, mostly fair. Cattle poor to good. Tobacco fair. Hogs good.

HAWAII: NO DATA AVAILABLE.

IDAHO: Precipitation fractional below normal. Temperatures 10 to 14° above normal southeast, 5 to 10° above normal elsewhere.

Farm activity consists of livestock management, marketing, calving, lambing, spring field preparation. Livestock good. Hay, roughage supplies adequate to surplus.

ILLINOIS: Temperatures averaged 6 to 13° above normal north, 5 to 10 ° above normal south. Precipitation none to 0.13 in.

Winter wheat mostly good to fair. Livestock mostly good.

INDIANA: Temperatures averaged 5 to 10° above normal. Lows in teens, highs mid 40s north, mid 50s south. Precipitation light, except 0.75 in. water equivalent in northwest as snow. Snow cover nearly melted except extreme north.

Outside activities limited by snow cover. Activities: Hauling manure, topdressing wheat, moving grain. Otherwise mostly indoor work; maintaining equipment, shop work, making plans, attending meetings, working on taxes, caring for livestock.

IOWA: Warm, dry week. Temperatures above normal; 14° southeast, 17° northwest. Precipitation varied from none northeast to 0.20 in. southwest. Mild 2nd, 64° Des Moines, cooler 3rd, warming to 69° Sioux City 7th.

Grain movement January 11% heavy, 41% light, 2% none, 46% avg. Corn piled on ground 23% none, 57% limited, 17% moderate, 3% extensive. Hay availability 56% adequate, 44% surplus; hay quality 1% poor, 36% fair, 60% good, 3% excellent. Corn stalk grazing 43% extensive, 41% moderate, 16% limited. Livestock mostly good; cattle losses 70% below, 2% above, 28% avg.; hog, pig losses 60% below, 2% above, 38% avg.

KANSAS: Temperatures averaged 40 to 44° ranging 5 to 9° above normal. Precipitation 0.60 in. east central southeast, 0.20 in. south central northeast, 0.06 in. or less elsewhere.

Wheat mostly dormant, but showed green some fields. No snow cover, vulnerable to freeze damage. Surface moisture becoming dry northwest, some chiseling to prevent soil blowing. Conditions ideal for calving, lambing.

KENTUCKY: Unseasonably mild spring-like weather. Average lows in 20s, highs in 50s. Temperatures 5 to 10° above average. Rainfall sparse occurred early in week. Precipitation ranged from less than 0.10 in. southeast to near 0.50 in. south central, west. Rainfall totals 0.10 to 0.75 in. below normal.

Farm activity increased with mild, dry conditions. Some spreading of manure, fertilizer, lime. Livestock benefited from mild weather, continued to glean fields. Many early calves, colts already born.

LOUISIANA: Temperature 3 to 7° above normal. Temperature extremes 28°; 76°. Rainfall averaged 0.06 to 2.49 in.

Activities: Winter chores, caring for livestock, preparing for spring planting.

MARYLAND & DELAWARE: Maryland: Average temperature 37°, normal 33°; lowest temperature 12°, highest temperature 58°. Trace precipitation.

Main farm activity caring for livestock.

Delaware: Average temperature 36°, normal 33°. Precipitation 0.03 in.

Main farm activity caring for livestock.

MICHIGAN: Temperatures ranged 9 to 14° above normal. Temperature extremes -1°; 45°. Precipitation ranged from none to 0.68 in. across State.

Upper Peninsula, northern lower Peninsula snow covered. Most southern lower Peninsula snow cover gone. Winter wheat susceptible to winterkill southern lower Peninsula. Activities: Spreading manure, preparing taxes, attending meetings, pruning fruit trees, marketing grain, potatoes, livestock. Livestock good. Lambing, calving, farrowing continued. Feed supplies adequate.

MINNESOTA: Temperatures averaged 17 to 21° above normal for State. Extremes 62° above at Brouns Valley and Pipestone, 6° below at Hallock. Precipitation averaged 0.05 to 0.19 in. below normal for State. Snowfall averaged 1 to 6 in. for northern 3rd of State; trace or less elsewhere. Snow depth averaged 7 to 16 in. for north central, north east; trace or less elsewhere.

Livestock herds good with above averaged temperature for season.

MISSISSIPPI: Temperatures above normal; 29°; 76°. Rainfall averaged 2.00 in. Greatest 24-hour total 1.94 in.

Days suitable for fieldwork 0.3, 2.8 1986, 1.3 avg. Soil moisture surplus. Wheat fair to good.

MISSOURI: Temperatures ranged 6 to 14° above normal. Precipitation averaged less than 0.50 in., some 5 in. snow falls reported north central. Heaviest rain about 0.75 in. southeast, south central.

Small amount row crop harvesting being completed. Livestock doing well.

MONTANA: Temperatures above normal across State. West of divide 5° above while remainder of State 15 to 25° above. Light to moderate precipitation west, mountains of southwest, south central. Dry over rest of State.

Winter wheat 23% poor, 57% fair, 20% good. Snow cover protection 98% poor, 2% fair. Wind damage to winter wheat 35% light, 52% moderate, 13% heavy. Soil loss significant. Calving 7%, lambing 5% complete. Grazing 100% open. Hay 40% adequate, 60% surplus.

NEBRASKA: Midweek some snow passed through State, only northern portions received significant moisture up to 0.50 in. Weather continued to be mild with average temperatures ranging from 11 to 16° above normal. Temperature extremes 15°; 74°.

Warmer conditions melted snow cover on winter wheat crop. Mild temperatures, dry weather favorable to lambing, calving. Feed supplies adequate to surplus.

NEVADA: Week started with above normal temperatures all areas, light precipitation, gusty winds northwest. By midweek, temperatures cool northeast, normal west and south. Remainder of period above normal temperatures northeast, well above normal south and west. Record high temperatures recorded northwest end of period.

Mild, dry weather near ideal calving, lambing operations. Marketing potatoes favored by dry highways. Cattle mostly good.

NEW ENGLAND: Dry week. Average precipitation included rainfall and water equivalent of snowfall; 0.15 to 0.25 in. northern areas, 0.05 to 0.15 in. central areas, trace to 0.05 in. southern areas. Temperatures averaged near normal; lower teens near Canadian border, 20s central, lower 30s along south coast.

Major farm activities: Tending livestock, repairing machinery, moving crops from storage.

NEW JERSEY: Temperatures slightly above normal, averaged 32° north, 35° south, 38° coastal. Extremes 9°; 56°. Precipitation below normal, averaged 0.10 in. north, 0.20 south, 0.16 in. coastal. Heaviest 24-hour total 0.27 in. on 8th, 9th. Heaviest 24-hour snowfall 6 in. on 8th, 9th. Depth of snow on ground 9th ranged from 11 in. north to none coastal.

Farmers cared for livestock, tended to winter chores.

NEW MEXICO: Temperatures averaged from a few degrees to as much as 8° above normal statewide.

Extremely light precipitation with only a few hundreths received in northern, southeastern localities.

Days suitable for fieldwork 6.6. Soil moisture 87% adequate, 13% surplus. Barley 20% fair, 80% good. Irrigated wheat 20% fair, 80% good. Dryland wheat 34% poor, 33% fair, 33% good. Onions, lettuce 100% good, planting continued in Mesilla Valley. Cattle 38% fair, 62% good. Sheep 50% fair, 50% good. Ranges 75% fair, 25% good.

NEW YORK: Temperatures above average during week, colder on 5th northeast area. Precipitation generally 0.25 in. Weather generally quiet, most precipitation associated with Lake effect and several weak frontal systems which moved across State from northeast.

NORTH CAROLINA: Temperatures near normal across State. Temperature extremes 20°; 69°. Precipitation ranged from 0.01 to 1.46 in. across State.

Days suitable for fieldwork 2.5. Soil moisture 3% short, 62% adequate, 35% surplus. Small grains fair to mostly good. Pasture 7% very poor, 18% poor, 45% fair, 29% good, 1% excellent. Hay, roughage supplies 29% short, 71% adequate. Feed grain supplies 17% short, 80% adequate, 3% surplus. Major farm activities: Tending livestock; cutting firewood; repairing equipment; tax preparation; preparing tobacco plantbeds; attending meetings; pruning fruit trees; spraying Christmas tree herbicides; general farm maintenance.

NORTH DAKOTA: Unseasonably, mild weather continued. Very light precipitation west and south, light precipitation north and east up to 0.31 in. Temperatures averaged 18 to 23° above normal. Extremes from -5° northeast 4th to 58° south central 7th. High temperatures end of week approached record marks.

Unseasonably warm weather continued to aid fall seeded crops, livestock. Feed supplies adequate. Calving, lambing beginning stages.

OHIO: Mild, dry. Temperatures averaged 4 to 9° above normal ranging from upper 20s to mid 50s. Precipitation subnormal, mostly under 0.10 in.

New snow cover north central, northeast; none elsewhere. Most winter wheat exposed; cold wind on 8th could cause some leaf burn. No stress to livestock.

OKLAHOMA: Temperatures averaged 6° above normal north central, west central to 9° above normal east central. Precipitation averaged none west central to 0.90 in. southwest.

Wheat growth good with recent warm weather. Extremely late wheat not stooling. Cotton 80% harvested, 100% 1986, 100% avg. Low-lying fields still have standing water. Sandy fields harvested. Cattle good.

OREGON: Temperatures 3 to 11° above normal. High winds, much rain, flooding north, central coast, Willamette Basin first of week. End of week clear, dry. Precipitation more than 6.00 in. north coast range, 2.50 to 4.00 in. coastal stations. Much of Willamette Valley broke single day rainfall records first of week. Measurable rainfall reported all stations east of Cascades early in week.

Soil moisture mostly surplus west, mostly adequate east. Grain, grass seed fields growing well Willamette Valley. Pruning, dormant spraying continued on fruit, nut trees. Caneberry pruning, training continued. Green pea seeding started west. Livestock, ranges, pastures mostly good. Lambing, calving continued.

PENNSYLVANIA: High pressure in control. Precipitation beginning of week, otherwise dry. Average temperature 32°, 6° above normal. Temperature extremes 2°; 54°. Average precipitation 0.03 in., 0.58 in. below normal.

Activities: Grading potatoes; hauling manure; cutting firewood; machinery maintenance; caring for livestock.

PUERTO RICO: Island average rainfall 0.71 in., 0.10 in. above normal. Highest weekly total rainfall 3.27 in. Pico Del Este-Luquillo followed by 1.79 in. San Lorenzo, 1.76 in. Negro-Corozal. Highest 24-hour total 1.89 in. Pico Del Este-Luquillo. Accumulated total rainfall for area 2.86 in., 15% below normal. Divisional temperature averaged about 75° on coasts, 71° interior, mean station temperature ranging from 63° Pico Del Este-Luquillo to 79° Roosevelt Roads. Lowest minimum temperature 45° Adjuntas, highest maximum temperature 91° San Sebastian.

SOUTH CAROLINA: Rains general; 0.75 to 1.00 in. Temperatures averaged 4 to 6° above normal.

Soil moisture adequate to surplus. Farm activities included pruning fruit trees, caring for livestock, poultry, equipment maintenance, preparing tax records, farm meetings.

SOUTH DAKOTA: Average temperatures 15 to 20° above normal. Extremes 8°; 73°. Record high temperatures reached statewide. Yearly precipitation below normal. Precipitation 3 to 7 in. snow Black Hills; snow south central, southwest; dry elsewhere.

Winter grains good. Livestock good; grazing open fields. Main agricultural activities; feeding, tending livestock, attending farm meetings.

TENNESSEE: Temperatures averaged 3 to 8° above normal. Coldest 25°, warmest 68°. General precipitation early week, 0.50 in. east, 0.33 in. or less west. Hay supplies adequate.

Activities: General maintenance, livestock chores, meetings.

TEXAS: During middle week, significant rains west central, far west, Lower Rio Grande Valley. Low pressure system slowly tracked across State, triggering rain. Clearing followed west, wrap-around cloudiness behind system lingered east. Dry, sunny weekend. Rain amounts above normal Edwards Plateau-Permian Basin, Lower Rio Grande Valley. Rain below normal Upper Coast, east. Temperatures at or above normal all areas.

Crops: Cotton harvest some progress most week Plains until front brought colder, rainy conditions, stalling further harvest. Harvest completed within week or two if good weather prevailed. Cotton 94% harvested, 100% 1985, 100%. Small grains responded favorably recent moisture, warmer weather early week across Plains. Growth slow; fields improved. Topdressing with nitrogen continued Blacklands, central. Insects, diseases increased with warmer temperatures. Most fields provided good grazing. Some fields beginning to joint. Wheat responded to moisture, warm temperatures east, south.

Commercial Vegetables: Rio Grande Valley harvest active carrots, cabbage, lettuce, celery. Melon planting proceeded. Onions good progress. Citrus harvest slowed because of slow demand, quality good. San Antonio-Winter Garden, harvest continued carrots, cabbage, greens. Onions good progress. Onion sets being dug for shipment to Plains. Peach trees bud many areas east. Producers worried because not enough cold temperatures so far this year.

Range and Pasture: Native pastures, ranges benefited good weather last week. Growth weeds, grasses good. Greening increased. Small grains improved, although growth slow northern areas. Forage availability good. Producers moved some

livestock off wheat pastures to markets. Marketings steady to higher. Goat shearing underway Hill Country. Some spring calving occurred.

UTAH: Precipitation none to light. Temperature 4 to 10° above normal.

Livestock feed adequate. Livestock generally good to excellent. Snow cover light. Major farm activities livestock care, equipment maintenance, farm accounts, tax records, attending meetings.

VIRGINIA: Conditions across State warmer, drier than normal. High 62°, low 17°. Precipitation minimal with most reporting stations receiving none.

Days suitable for fieldwork averaged 0.4 days. Topsoil moisture 43% adequate, 57% surplus. Snow cover continued limiting farm work to snow removal, machine repair, livestock maintenance. Fruit tree pruning underway Winchester. Feed use up, but supplies not so tight. Livestock normal to good. Severe weather caused calf, lamb losses. Small grains good to excellent.

WASHINGTON: Temperatures 5 to 10° above normal. Lows 30s. Highs 50s. Coldest 24°, warmest 61°. Precipitation normal. Little snow cover limited to 1 in. north, east counties.

Range, pasture 25% surplus, 70% adequate, 5% shortage. Hay 30% surplus, 70% adequate. Winter wheat 10% excellent, 90% good. Orchard pruning, clean up continued. Calving, lambing underway. Producer meetings held.

WEST VIRGINIA: Temperatures averaged 37°, 3 to 7° above normal. Extremes 6° Greenbank; 60° Williamson. Precipitation below normal, average precipitation 0.11 in.

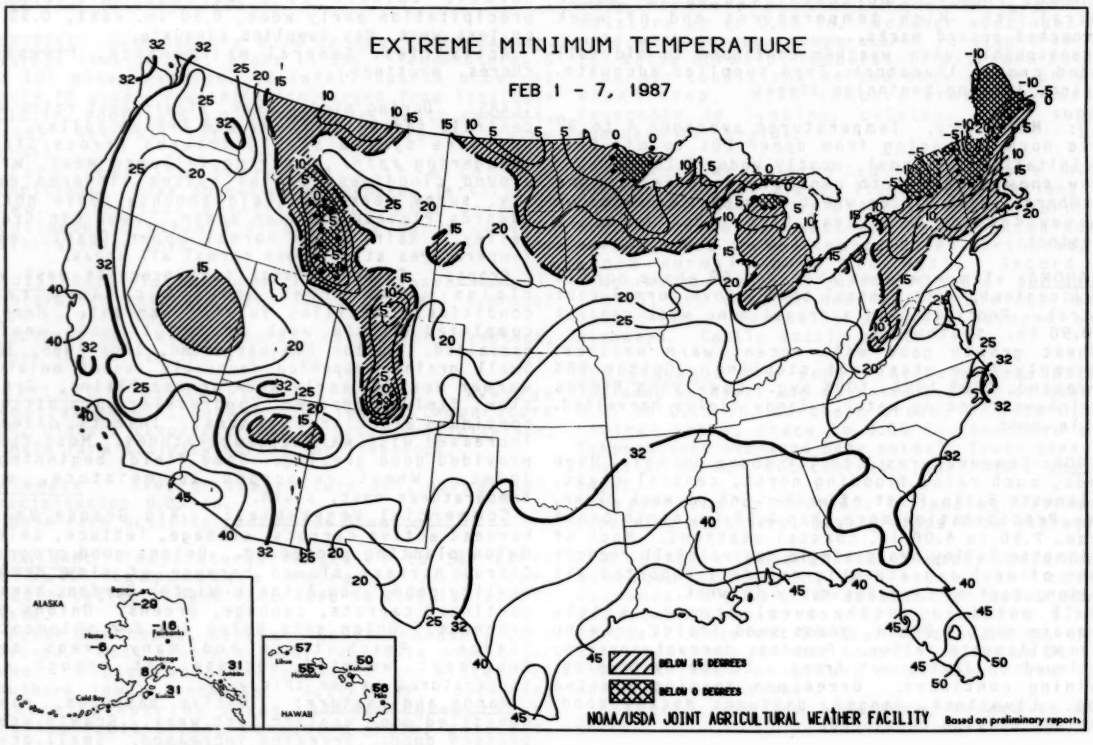
Soil moisture 14% short, 43% adequate, 43% surplus. Feed supplies 6% very short, 16% short, 78% adequate.

WISCONSIN: Above normal temperatures, sudden drop on 8th; low -9°, high 52°. Dry week, precipitation trace north on 3rd. Snow melt south. Wind gusts 40 to 60 mph on 8th.

Farm activities: Manure spreading, machinery maintenance, winter meetings.

WYOMING: Temperatures above normal. Precipitation generally below normal except north central.

Winter wheat fair to good, some wind damage. Additional moisture needed for good development. Land preparation started in irrigated areas. Livestock good, supplemental feeding continued. Hay supplies adequate. Early lambing, shearing underway.



International Weather and Crop Summary

February 1-7, 1987

HIGHLIGHTS:

UNITED STATES ... Snow cover vanishes from the Great Plains, Rocky Mountain States, and most of the Corn Belt, leaving small grains vulnerable to freeze damage. Above-normal temperatures keep damage to a minimum, but soil moisture is becoming short in the central and northern Great Plains.

WESTERN U.S.S.R. ... Unseasonably cold, dry weather covers southern winter grain areas. Above-normal temperatures cover central and northern crop areas.

EUROPE ... Showers increase moisture for winter grains in western Europe. Dry weather covers winter grains in Eastern Europe.

SOUTH ASIA ... Dry weather covers the major grain areas. Cotton harvesting and rice planting progress normally.

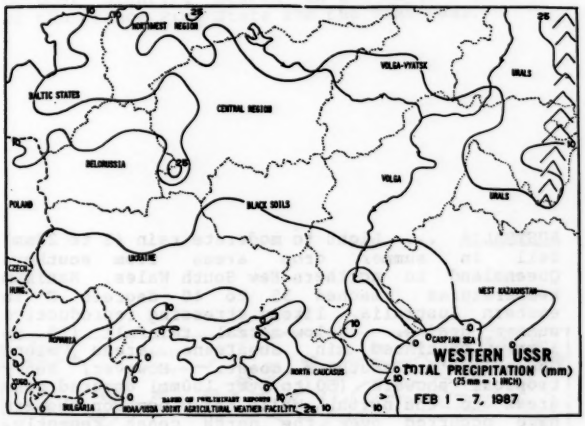
EASTERN ASIA ... Unseasonably warm weather in the North China Plain likely generates unusually early growth in southern areas. Significant rain is needed in southern rice areas to increase planting moisture.

SOUTH AMERICA ... Beneficial rain and cooler weather favors flowering and grain-filling crops in Argentina and south-central Brazil.

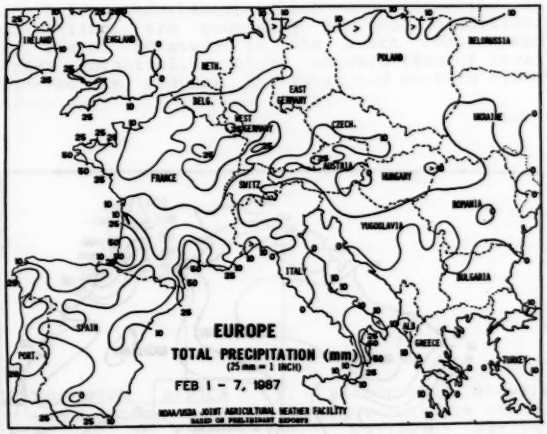
AUSTRALIA ... Hot weather likely stresses reproductive summer grains in eastern Australia. Favorable harvest weather continues in the southeastern wheat areas.

SOUTH AFRICA ... Showers benefit grain-filling corn in most major crop areas. Hot, dry weather stresses reproductive corn in the far western Maize Triangle.

NORTHWESTERN AFRICA ... Showers benefit winter grains in the vegetative stage.

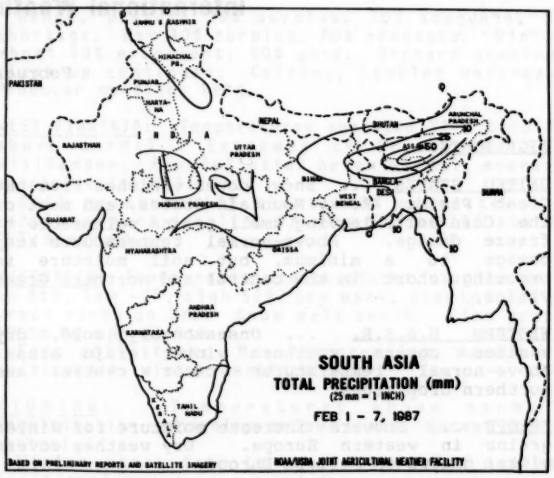


WESTERN U.S.S.R. ... High pressure covered the southern half of the region, keeping winter grain areas unseasonably cold and dry. Early-week cold weather in the southern Ukraine and North Caucasus (night lows around -19 degrees C) was followed by warmer weather by week's end (night lows around -5 degrees C). A strong westerly flow of mild maritime air over central and northern winter grain areas brought above-normal temperatures to the Baltic States, Belorussia, the northern Ukraine, Black Soils Region, Central Region, and the upper Volga. Weekly average temperatures were 4 to 7 degrees C above normal in these areas. Weekly average temperatures across the south were 2 to 4 degrees C below normal.

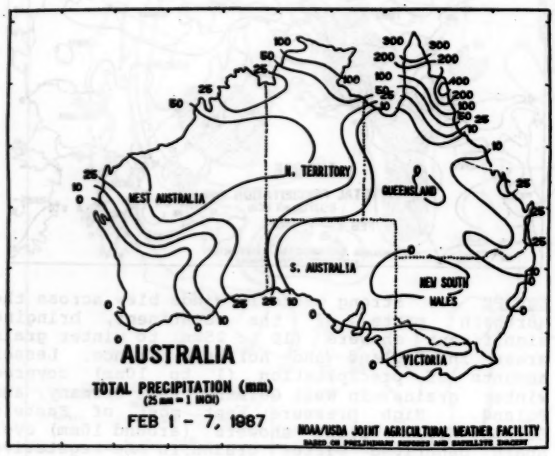


EUROPE ... Strong westerly winds blew across the northern parts of the continent, bringing significant showers (10 to 25mm) to winter grain areas in England and northern France. Lesser amounts of precipitation (1 to 10mm) covered winter grains in West Germany, East Germany, and Poland. High pressure kept most of Eastern Europe dry. Light showers (around 10mm) over Spain benefited winter grains in the vegetative stage. Weekly average temperatures were above normal in the west and below normal in Eastern Europe. Winter grains remained dormant over much of the region except for Mediterranean areas where the crop is in the vegetative stage.

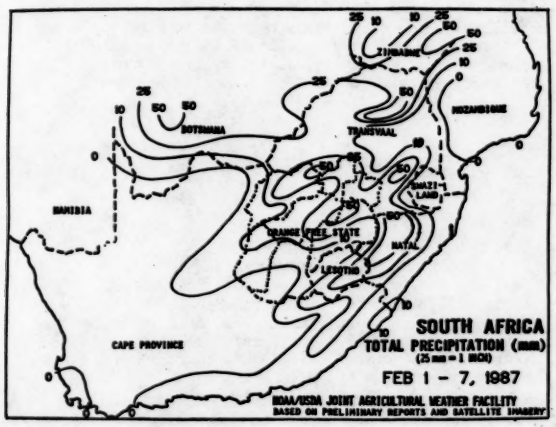
EASTERN ASIA ... Unseasonably warm and dry weather continued to cover winter grains in the North China Plain. Weekly average temperatures ranged from 1 to 4 degrees C above normal, which likely generated unusually early growth in southern winter wheat areas. Normally, winter grains break dormancy in southern areas in early March. Below-normal precipitation continued over southern early rice areas in Guizhou, Hunan, Jiangxi, Guangxi, Guangdong, Zhejiang, Anhui, and Hubei. Significant rain is needed in these areas to increase soil moisture for planting which usually begins in late February and early March.

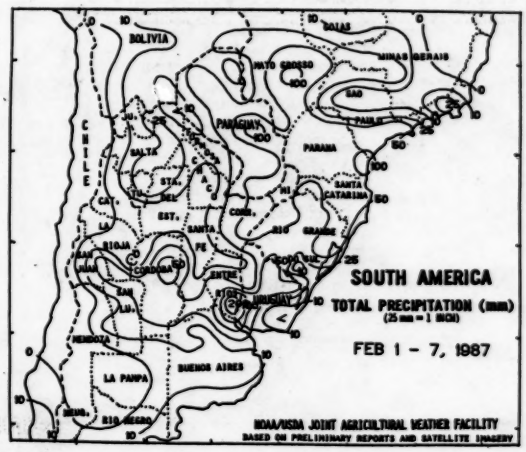


SOUTH ASIA ... Dry weather covered most crop areas in Pakistan and India. Some light showers (5mm or less) occurred in northwestern Uttar Pradesh. Wheat, which is mostly irrigated, is normally grain-filling in central India and heading further north. Rice planting and transplanting progressed normally along the heavily irrigated southern coast. Cotton harvesting, which usually lasts through February, also progressed well. Some rain fell in northern Bangladesh and India's far eastern states.



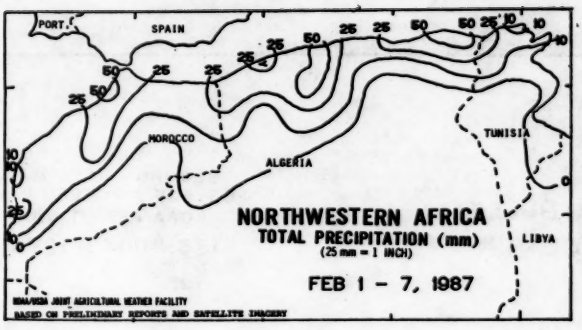
AUSTRALIA ... Light to moderate rain (3 to 20mm) fell in summer crop areas from southern Queensland to northern New South Wales. Maximum temperatures reached 35 to 40 degrees C in eastern Australia, likely stressing reproductive summer grains. Below-normal rainfall (10 to 32mm) continued in sugarcane areas along Queensland's southern coast. However, heavy tropical showers (50 to over 100mm) covered cane areas to the north. While heavy monsoon showers have occurred over the north coast recently, substantial rains have been only sporadic along east-coastal sugarcane areas. Recent showers along Queensland's northern coast have relieved dry conditions somewhat, but stressful conditions still exist further south. Dry weather continued in southeastern Australia, promoting late wheat harvesting.





SOUTH AFRICA ... Widespread showers (10 to 65mm) benefited reproductive and grain-filling corn from Natal through the northern Orange Free State into the Transvaal. However, dry pockets remained in minor producing areas in eastern Transvaal. Warm weather and only light showers (less than 10mm) continued in the far western Maize Triangle as extreme maximum temperatures reached 35 to 38 degrees C. Average temperatures (degrees C) ranged from 28 in the west to 22 in the east. Stressful conditions have persisted in western corn areas since early December. However, favorable conditions have existed since the October planting season in the major corn areas of the Orange Free State and the Transvaal.

SOUTH AMERICA ... In Argentina, showers and thunderstorms developed late in the week over the primary growing areas of southern Cordoba, southern Santa Fe and northern Buenos Aires. Rainfall averaged 20 to 35mm with locally heavier showers in central Cordoba and southern Entre Rios. Cooler weather accompanied the storminess, easing stress conditions that had been developing for flowering and grain-filling crops. Scattered showers also fell in northern cotton areas. In Brazil, widespread rain over south-central crop areas maintained wet conditions in southern Mato Grosso do Sul, Parana, and northern Sao Paulo and moistened the recently dry topsoils in Rio Grande do Sul. Soybeans, which are flowering to pod-filling, are generally in good condition. The recent moisture in the south reduced the stress potential. Light showers (6mm or less) occurred in central Sao Paulo and eastern Minas Gerais.



NORTHWESTERN AFRICA ... Widespread showers covered winter grains, in the vegetative stage, over much of the region. Following earlier dryness, the second consecutive week of beneficial showers (10 to 26mm) covered Moroccan winter grains. In Algeria and Tunisia, soaking rain (25 to 50mm) continued a favorable precipitation pattern which has covered crops in these areas since the beginning of the growing season. Weekly average temperatures were 1 to 3 degrees C above normal over the region, increasing crop-moisture requirements.

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